



भारत का राजपत्र

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No. 33] NEW DELHI, SATURDAY, AUGUST 19, 1995 (SRAVANA 28, 1917)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 19th August, 1995

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The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
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Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1-207 GI/95

Patent Office Branch,
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M. S. O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 19 अगस्त 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोन्डी इस्टेट,
तीमरा तल, लोअर परने (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दादरा और नगर हवेली ।

गार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकड़ सं 401 से 405, तीमरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कराँव बाग
नई दिल्ली-110005 ।

आन्ध्रप्रदेश, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

गार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिदिवि द्वीप ।

गार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, तृतीय बहुतलीय कार्यालय
मकान 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का विशेष क्षेत्र ।

गार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवश्यक-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के संबंधित उपयुक्त कार्यालय से ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदादगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुमोचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the 3rd June, 1995 Page 478, Column 1 read the application for Patent No. 190/Del/95 and 200/Del/95, Nos. 10/Del/WTO/95 and 11/Del/WTO/95 are deleted.

REGISTRATION AS PATENT AGENTS

The name & Address of the following persons have been entered in the register of Patent Agents under sub-section (1) (c) (ii) of Section 126 of the Patents Act, 1970.

1. M. P. Bhatnagar,
National Research Development Corporation,
20-22, Zamroodpur Community Centre,
Kailash Colony Extension,
New Delhi 110048.
2. H. M. Jagannatha,
1. Chitrakoot Annexe,
55/1A, 4th Main, 18th Cross,
Malleswaram, Bangalore 560055.
3. Dr. Prabuddha Ganguli,
2. Gulmohr,
35, West Avenue,
Santacruz West,
Bombay 400054.
4. Sushma Ohri,
18/1023, Naiwaca,
18, Karol Bagh,
New Delhi 110005.

5. Jayanta Pal,
Kalibazar East,
Near Nutan Palji Post Office,
P. O. & Dist : Burdwan-713101
West Bengal.

6. Sudipta Pal,
19, Jelia Para Lane,
Calcutta-700012.

7. Arindam Paul,
143, Central Road,
Anandpuri,
Barrackpore,
24-Parganas (North),
West Bengal.

ALTERATION OF DATE UNDER SECTION—16

- 175711 Filed on 26-05-89.
457/Del/89. Divisional To 109/Del/88
Ante Dated to 18-05-1989.
- 175712 Filed on 26th May, 1989.
458/Del 89. Ante Dated to 18-5-89.
- 175713 Filed on 26th May, 1989.
459/Del/89. Ante Dated to 18-5-89.
- 175717 Filed on 6th July, 1989.
601/Del/89. Ante Dated to 23-10-1986.
- 175703 filed on 13-3-89.
234/Del/89. Post dated to 13-9-89.

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD,
CALCUTTA-20.

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patent Act, 1970.

09-06-1995

654/Cal/95. Dema Limited. Formation of glass articles.
(Convention No. 9411776.9, 9506977.9; dated
11/6/94, 4/4/95; both are U.K.).

655/Cal/95. On Chandra Kafley of Padma Cottage. Manu-
facture of Bio-Gas Plans From P.V.C. Mate-
rials.

656/Cal/95. Harris Corporation. Improvements in or rela-
ting to integrated network switch with variable
functions.

657/Cal/95. Harris Corporation. Improvements in or relat-
ing to integrated network switch with variable
functions.

658/Cal/95. Scott Paper Company. Production of soft paper
products from old newspaper. (Convention No.
08/268, 232; filed on 29-6-94; in U.S.A.).

12-06-1995

659/Cal/95. Vertex Pharmaceuticals Incorporated. Process
for preparing novel classes of compounds which
are inhibitors of interleukin-1B Converting en-
zyme "ICE". (Convention Nos. 08/405581,
08/440898; dated 17-3-95; 25-5-95; both are in
U.S.A.).

560/Cal/95. Vertex Pharmaceuticals Incorporated. Inhibitors
of interleukin-1B Converting enzyme. (Conven-
tion Nos. 08/405581, 08/440898; dated 17-3-95,
25-5-95, both are in U.S.A.).

561/Cal/95. Refel S.p.A. Composite Structure Constituted
by a component made of electro-cast refractory.
(Convention No. MI94A001290; filed on 20-6-94;
Italy).

662/Cal/95. ABB Patent GmbH. Rail Vehicle. (Conven-
tion No. P4420686.0 filed on 14-6-94; in Ger-
many).

663/Cal/95. Hoechst Aktiengesellschaft. Process for the
Preparation of C.I. Reactive Blue 19. (Conven-
tion No. P4422160.6 filed on 24-6-94; in Ger-
many).

664/Cal/95. DE Nora Permelec S.p.A. Improved Ion Ex-
change Membrane or Diaphragm Electrolyzer.
(Convention No. MI94A 001525; filed on 20-7-94;
in Italy).

665/Cal/95. Saint-Gobain Vitrage S.A. Laminated pane with
low energy transmission for transportation ve-
hicle. (Convention No. FR94/07486, filed on
17-6-94; in France).

APPLICATION FOR PATENTS FILED IN THE PATENT
OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR,
SUN MILL COMPOUND, LOWER PAREL (W),
BOMBAY-13

30-1-1995

44/BOM/95. Raghuvir Singh Hada. Wind driven Railway
Push Trolley Coupled with paddles.

45/BOM/95. Sudhir Kumar Mukherjee U.K. Priority dated
27-9-94. Two Stage Toilet Flush.

46/BOM/95. Hoechst India Ltd. Antiarrhythmic and car-
dioprotective substituted indenoylguanidines.

31-1-1995

47/BOM/95. Consafe Science (India) Pvt. Ltd. A process
for treatment of spent wash in distilleries or the
like to accomplish zero effluent discharge result-
ing in a combustible product to be used as a fuel
and a plant therefor.

2-2-1995

48/BOM/95. Mukesh Bhandari & Dr. Prospect Vernadskl
Malinovsky. Method of melting by D.C. ARC
with thyristor converters in series/parallel.

49/BOM/95. Alberto Soldini. A pocket size device, with
microscopic magnifying and incorporated light
source for the visualisation, through the saliva of
the female fertility.

3-2-1995

50/BOM/95. ISOVOLTA Osterreich ische Isolier-stoffwerke
Aktiengesellschaft. A process and device for man-
ufacturing photovoltaic modules.

6-2-1995

51/BOM/95. Raghuvir Singh Hada. Tidal water power
generator.

52/BOM/95. Armour Chemicals Ltd. A process for prepar-
ing catalyst for use in the manufacture of aroma-
tic nitriles from corresponding alkyl substituted
aromatic heterocyclic compounds.

7-2-1995

53/BOM/95. Jonita Fernandes. Reusable diaper.

54/BOM/95. Dr. Nagaraj Ramanuj Ayyangar, Dr. Karl
Werner Quirin, Chainsukh Sobhachand Gandhi,
Dr. Dieter Gerard. A process for separation of
neem oil and azadirachtin rich powder from neem
seed kernels.

55/BOM/95. Dr. Nagaraj Ramanuj Ayyangar, Dr. Karl
Werner Quirin, Chainsukh Sobhachand Gandhi,
Dr. Dieter Gerard. Anti-pest compound extracted
from the defatted neem seed kernels.

8-2-1995

56/BOM/95. Hindustan Lever Ltd. Fat blends based on
diglyceride.

57/BOM/95. Hindustan Lever Ltd. Fat blends containing
diglyceride.

9-2-1995

58/BOM/95. Indian Oil Corporation Limited. The process
for the production of calcium borate type over-
based sulphonate.

59/BOM/95. K. K. Desai, V. K. Desai & H. K. Desai.
Robotic cotton spreader.

60/BOM/95. Chiesi Farmaceutici S.p.A. Processes for pre-
paring piroxicam/cyclodextrin complexes, the
products obtained and their pharmaceutical com-
positions.

10-2-1995

61/BOM/95. Dr. Vijaykumar Govind Chapakar. An im-
proved static airconditioner.

62/BOM/95. Pravin Vasant Kande. A reciprocating sensor
and assembly for sensing the spinning yarn on
ring frame, doubling and similar machines.

63/BOM/95. Pramod Vora. Touch Responsive electric
power controller.

13-2-1995

64/BOM/95. Hindustan Lever Limited. Ambient stable food
product.

65/BOM/95. Bhavnagar University. Non contact type cen-
trifugal switch using magnetic fluid.

66/BOM/95. Ghansyam Shankar Tasgaonkar. Combined flat plate collector and a half parabolic trough solar concentrator.

67/BOM/95. Ghansyam Shankar Tasgaonkar. Wind shield for an air cooled heat exchanger.

14-2-1995

68/BOM/95. Rashtriya Chemicals & Fertilizers Limited. A process for manufacturing N, N, BIS phosphonomethyl glycine.

69/BOM/95. Bajaj Auto Ltd. Sintered (fe-alloy) integrated canshaft preferably for use in small engines.

15-2-1995

70/बम्बई/95 जयदेव कुमार, रामदास भाणिक प्रदूषण (धुआँ से) नियंत्रण संहिता ।

71/BOM/95. Madhusudan Hiralal Desai. A method and an apparatus for converting pyrophoric iron into powder metal.

16-2-1995

72/BOM/95. Shashi Kantilal Shah. Chemically coated paper for packing of fruits and vegetables.

73/BOM/95. Shingar Cosmetics Pvt. Ltd. An improved carton for cylindrically configured container of foil material.

74/BOM/95. LTG Lufttechnische Gesellschaft mit beschränkter Haftung. Ventilation system for a machine having at least one rotatable part.

75/BOM/95. Prakash Krishna Ratnaparkhi. A plastic injection moulding machine.

76/BOM/95. Prakash Krishna Ratnaparkhi. Digital readout (DRO) and more particularly a programmable digital read out.

77/BOM/95. Prakash Krishna Ratnaparkhi. Vector Controlled turret.

78/BOM/95. Indian Petrochemicals Corporation Limited. An improved process for benzene isopropylation to cumene.

17-2-1995

79/BOM/95. Chandrakant Damodardas Gandhi. An atomiser.

20-2-1995

80/BOM/95. Taraprakash Prabhakar Vartak. Separation of suspended solids from liquid and simultaneous introduction of chemicals.

81/BOM/95. Ramesh Dayaram Panchal. An automatic time and date stamp machine validating coupons documents etc.

82/BOM/95. FIT Cannon GmbH. Insertable card for electronic data processing appliances & method of manufacturing and assembling same

22-2-1995

83/BOM/95. Raghuraj Singh Hada. Electric wet cloth drier.

84/BOM/95. Hindustan Ciba Geigy Ltd. Process for the manufacture of phenoxyphenoxyalkyl derivatives

23-2-1995

85/BOM/95. Navin Shugankumar Jain, Mayur Kantilal Ganatra, Rishi Rakesh Jain, Smt. Seema Navin Jain. An improved musical system attached to telephone.

24-2-1995

86/BOM/95. J.B. Chemicals & Pharmaceuticals Ltd. An improved process for herbal cough remedial preparations.

87/BOM/95. J.B. Chemicals & Pharmaceuticals Ltd. Herbal cough remedial preparations.

28-2-1995

88/BOM/95. Sathe Chintamani Mahadeo. Watering candle for lifting water from one container containing clay mass and live plant for automatic watering of the plant from root side.

89/BOM/95. The General Manager, Indian National of Tear Smoke Unit. A multi-barrel launcher.

90/BOM/95. Desai Haribhai J. Sea wave power.

91/BOM/95. Savajibhai M. Savalia. Improved submersible motor pump.

1-3-1995

92/BOM/95. TDW Delaware Inc. Ferrous chip removal tool.

95/BOM/95. TDW Delaware Inc. Apparatus for providing signal communication between the interior and exterior of a pipeline.

6-3-1995

94/BOM/95. Hindustan Lever Limited. Skin Cleansing composition.

95/BOM/95. Ravajibhai M. Savalia. Single valve oil-less air-compressor.

96/BOM/95. Arvind Govind Narsapur and Vijay Arvind Narsapur. Improvements in apparatus for drawing liquid at a higher level or at a distance.

97/BOM/95. Sathe Chintamani Mahadeo. Improved plant pot with inbuilt water compartment with watering candle to water the plant automatically from root side as per plants' need.

98/BOM/95. Smt. Shraddha Subhash Dalvi. Tricycle refuse collector.

7-3-1995

99/BOM/95. I-Flow Corporation. Elastomeric syringe actuation device.

100/BOM/95. Vishnukumar Mahadeo Kulkarni. Composition to preserve heat value and fibre content of bagasse.

101/BOM/95. Vishnukumar Mahadeo Kulkarni. Composition capable of inhibiting sugarcane deterioration.

102/BOM/95. Vishnu Kumar Mahadeo Kulkarni & Tushar-chandra Sharaschandra Ingle. An improved bagasse dryer.

103/BOM/95. J.B. Chemicals & Pharmaceuticals Ltd. An improved process for herbal tonic formulation.

104/BOM/95. J.B. Chemicals and Pharmaceuticals Ltd. Herbal tonic formulation.

9-3-1995

105/BOM/95. G. M. Poonawala & Sons. A device for testing, measuring and folding of cloth in textile mills or processing houses.

106/BOM/95. The Ensign-Bickford Company. Shock tube assembly.

107/BOM/95. Anil Shriram Gomashe. Projection light level.

108/BOM/95. Ravindra Vinayak Bhatwadekar. Plastic folding containers for packaging and transportation of mangoes, other fruits and vegetables.

109/BOM/95. Hindustan Lever Ltd. Plastic reduced fat spread.

110/BOM/95. Hindustan Lever Ltd. Low fat emulsion processing.

10-3-1995

- 111/BOM/95. Rallis India Limited. A process for the preparation of the herbicide methyl-2- (3- (4 methoxy 6-methyl-1, 3, 5-triazin-2-yl) ureido sulphonyl) benzoate commonly known as metsulfuron methyl.
- 112/BOM/95. Nikhilesh Jashvantlal Mehta, Sohag Avantilal Dixit & Jayvadan Shroff. Method to durably fix metal particles sold as well as synergistically in textile materials.
- 113/BOM/95. Humberto Eduardo Pollano and Omar Eduardo Conti. A method for measuring weight flow rate and/or total weight of dry particles and an apparatus therefore.

13-3-1995

- 114/BOM/95. Dr. Rajendra Yashwant Angle. Mineral chelates of amino acids composition for plant growth.

14-3-1995

- 115/BOM/95. Kumar Balaram Bhatia. An improved sklero type, rebound hardness tester for metals.

15-3-1995

- 116/BOM/95. Indian Petrochemicals Corporation Limited. A process for the preparation of a molecular sieve adsorbent.

16-3-1995

- 117/BOM/95. Unichem Laboratories Ltd. A novel process for the manufacture of 1, 4-Dihydro-4-oxo-7-substituted piperazinyl-quinoline-3-carboxylic acids and the method for their manufacture, from a novel source.
- 118/BOM/95. Rallis India Limited. A process for the preparation of the fungicide RS-2- (2, 4-dichlorophenyl)-1-(1H-1, 2, 4-triazol-1-yl)- hexan-2-ol, commonly known as hexaconazole.

APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

1st May 1995

- 525/MAS/95. Mannesmann Aktiengesellschaft. Process and apparatus to heat a metal melt.
- 526/MAS/95. British Telecommunications Public Limited Company. Service creation apparatus for a communications network.
- 527/MAS/95. Mitsubishi Denki Kabushiki Kaisha. Vehicular AC generator.
- 528/MAS/95. Rockwell International Corporation. Tube nozzle having thermal transien.

2nd May 1995

- 529/MAS/95. Quantum Communications Group Inc. Antenna device and mobile telephone. (May 3, 1994; Great Britain).
- 530/MAS/95. Shell Internationale Research Maatschappij B.V. Process for the conversion of a residual hydrocarbon oil.
- 531/MAS/95. Mobil Oil Corporation. Heavy aromatics processing.

3rd May 1995

- 532/MAS/95. Ara, Kalaimaran. Perspective drawing (graphical method).

- 533/MAS/95. Stankiewicz GmbH. Method of manufacturing a composite foam from foam flakes, composite foam and use of this composite foam.

- 534/MAS/95. Societe Des Produits Nestle S.A. Heat resistant chocolate based confectionery products.

- 535/MAS/95. Nokia Mobile Phones Limited. System for transmitting patent data in digital cellular time division multiple access (TDMA) air interface.

- 536/MAS/95. National Gypsum Company. Cementitious gypsums-containing compositions and materials made therefrom.

- 537/MAS/95. Sandoz Ltd. Dyes in salt form. (June 13, 1994; United Kingdom).

- 538/MAS/95. The Japan Carlit Co., Ltd. Ultraviolet and infrared-ray absorbing polymer composition.

- 539/MAS/95. Autogenics. Assembly tooling for autologous tissue hear valve.

- 540/MAS/95. Autogenics. Prosthetic heart valve holder.

- 541/MAS/95. Novo Nordisk A/S. Alkaline glucose oxidase.

5th May 1995

- 542/MAS/95. Yesudas K.C. D'Cruz. Non-wick and non-pressure kerosene able stove.

- 543/MAS/95. Akzo Nobel NV. Use of peroxyamids as molecular weight regulators.

- 544/MAS/95. Albrecht Equipments Industrials Ltd. A device to correct the longitudinal torsion in a tubular fabric.

8th May 1995

- 545/MAS/95. Indian Institute of Technology. An apparatus for maintaining a steady plating current in pulse electroplating operations.

- 546/MAS/95. Janatiscs India Private Limited. Modular mounted filter—regulator—lubricator assembly for being fitted in an air line for luse with pneumatic equipment.

- 547/MAS/95. T/F Purfiner, Inc. By Pass filtering.

- 548/MAS/95. Hoechst-Schering AgrEve GmbH. Heterocyclamino-and heterocycloxy-cycloalkyl derivatives their preparation and their use as pesticides and fungicides.

- 549/MAS/95. Hoechst Schering AgrEvo GmbH. Nitrogen-substituted phenylsulfonylureas; process for their preparation, and their use as herbides and plant growth regulators.

- 550/MAS/95. G.O.R. Applicazon Speciali S.p.A. Panel of plastic material and process and device for its fabrication.

9th May 1995

- 551/MAS/95. Compact Power Limited. A combined pyrolysing gasifier and method of its operation. (May 25, 1994; United Kingdom).

- 552/MAS/95. APV Corporation Limited; Kears Group Limited and British Permentation Products Limited. Manufacture of baked farinaceous foodstuffs.

- 553/MAS/95. YKK Corporation. Lock slider for slide fastener.

10th May 1995

- 554/MAS/95. Indian Institute of Technology. An improved internal combustion engine for achieving accelerated, and more efficient, combustion of air-fuel mixtures.

555/MAS/95. Indian Institute of Technology. A method of electroplating metal cones on a pin semiconductor diode substrate and an apparatus for carrying on the said method.

556/MAS/95. Research Institute for Production Development. Method of decomposing halogenated aromatic compounds using alkalis.

557/MAS/95. Loral Qualcomm Satellite Services Inc. Antenna for multipath satellite communication links.

558/MAS/95. Akzo Nobel N.V., 11, 21-bisphenyl-19-nor-pregnane derivatives.

559/MAS/95. Novo Nordisk A/S. Method of causing viscosity increase in a petin containing aqueous mass.

12th May 1995

560/MAS/95. Jobst Ulrich SGellert. Injection molding one-piece insert having cooling chamber with radial rib portions. (June 21, 1994; Canada).

561/MAS/95. Societe Des Produits Nestle SA. Process for the preparation of a finely divided soya product.

562/MAS/95. ABB Management AG. MOS-controlled power semiconductor component for high voltages.

563/MAS/95. The BCC Group Plc. Air separation. (May 27, 1994; Great Britain).

564/MAS/95. Maschinenfabrik Rieter AG. Spinning method where fibre band having a low turning and a spinning method thereof.

565/MAS/95. SMS Schloemann-Siemas Aktiengesellschaft. Method and production plant for producing hot-rolled wide strip.

15th May 1995

566/MAS/95. Indian Space Research Organisation. An improved colour reversal process for producing colour reversal prints.

567/MAS/95. Nigel Paul Maynard. Novel coordinated metal/boron compounds as biocides, their methods of synthesis their use and their formulation.

568/MAS/95. Padmanabhan Mahal Digam. A line jack unit with isolation facility.

569/MAS/95. Modtap W. Corporation. Communications connectors.

16th May 1995

570/MAS/95. Mogaparthi Appa Rao. The mogaparthi locomotive power station.

571/MAS/95. Kalawar R.S. & Anantharam S. Twintread railway wheel.

572/MAS/95. K.U. Abraham. The floating foundation system.

573/MAS/95. St. Gobain/Norton Industrial Ceramica Corporation. Modified SolGel Alumina.

574/MAS/95. Commonwealth Scientific and Industrial Research Organisation. Conditioning of fabrics. (May 18, 1994; Australia).

575/MAS/95. Shionogi & Co. Ltd. A process for producing a compound. (Divisional to Patent Application No. 170/MAS/94).

576/MAS/95. Rosemound Inc. Transmitter with electrical circuitry for inhibiting discharge of stored energy.

577/MAS/95. Electrolux S.A.R.L. A transport assembly for transporting medical material such as organs and tissues. (Divisional to Patent Application No. 725/MAS/91).

578/MAS/95. Roke Manor Research Limited. A direct conversion receiver.

579/MAS/95. The Pillsbury Company. Universal dough cutting and packing apparatus.

17th May 1995

580/MAS/95. Rajeev Kamala Bai Russel. Rajeev's variable heating technology.

581/MAS/95. Rajeev Kamala Bai Russel. Battery over charge control.

582/MAS/95. Rajeev Kamalabai Russel. Rajeev's law of regulating energy.

583/MAS/95. Rajeev Kamala Bai Russel. Rajeev's 3 Q automatic electric motor starter.

584/MAS/95. Rajeev Kamala Bai Russel. Rajeev's electronic choke for glowing one end fused fluorescent tube.

585/MAS/95. Rajeev Kamalabai Russel. Rajeev's constant voltage stabiliser.

586/MAS/95. Rajeev Kamalabai Russel. Rajeev's mileage fuel technology.

587/MAS/95. Appattu Vila Veedu. Rajeev's electronic earth leakage circuit breaker.

588/MAS/95. International Business Machines Corporation. Online placement of video files on disks in a server environment.

589/MAS/95. Novo Nordisk A/S. Transdermal delivery of antiepileptic drugs.

590/MAS/95. Linde Aktiengesellschaft. Process and apparatus for cryogenic separation of air.

591/MAS/95. Stephn E Mc Grath. A modular display booth.

592/MAS/95. Mannesmann Aktiengesellschaft. Process and apparatus for the continuous, noncutting covering of individual rings from tubular workpieces.

18th May 1995

593/MAS/95. S. Rajendran. Protocol conversion device for connecting ISDN terminal to the digital stream of the non ISDN subscribers port of a telephone exchange.

594/MAS/95. Vietsch Radex Aktiengesellschaft. Cylindrical, refractory, hollow brick.

595/MAS/95. Akash Kumar Rose and Rajapopan Jayakumar. Multiphase wave generator.

596/MAS/95. F.L. Smidh & Co. A/S. 1 Rotary drum suspended within livering.

597/MAS/95. Incoe Corporation. Electric mold clamp.

598/MAS/95. A.B. Dick Company. An ink composition and method of making thereof.

19th May 1995

599/MAS/95. David John Instance. Labels and manufacture thereof. (May 27, 1994; United Kingdom).

600/MAS/95. A. Ahlstrom Corporation. An apparatus for filtering gases.

601/MAS/95. Gneuse Kunststofftechnik GmbH. Plate sieve changer.

602/MAS/95. Kabushiki Kaisha Kobe Seiko Sho. Tire vulcanizing system.

22nd May 1995

- 603/MAS/95. Kotobuki & Co., Ltd. Slider for mechanical pencil.
- 604/MAS/95. Hoechst Ceram Tec Aktiengesellschaft. High tension insulator of ceramic.
- 605/MAS/95. Hoechst-Schering Agr Evo GmbH. formylaminophenylsulfonylureas, preparation processes and use as herbicides and plant growth regulators.
- 606/MAS/95. A. Ahlstrom Corporation. Gas filtering apparatus.
- 607/MAS/95. SMS-Schloemann Siemag Aktiengesellschaft Eduard-Schloemann-Strasse. Method and arrangement for severing and controlled cooling of individual rods from a rolled section.
- 608/MAS/95. ELF Atochem S.p.A. Composition based on methyl and benzyl derivatives of diphenylmethane for use as a dielectric. Divisional to Patent Application No. 160/MAS/91.

23rd May 1995

- 609/MAS/95. Bevera Sangannaidu. Kerosene vapour lamp.
- 610/MAS/95. Somar Corporation. Film feeling method and apparatus.
- 611/MAS/95. Zimmermann & Jansen GmbH. A packing assembly for a stop valve such as a gate valve, a flap valve or the like.
- 612/MAS/95. Energy Conversion Devices, Inc. An integrated circuit electrically erasable phase change memory device. Divisional to Patent Application No. 50/MAS/92.
- 613/MAS/95. Hoechst Aktiengesellschaft. Process and filter for preparing No. 2 free nitrogen monoxide using sulfur-containing polymers.
- 614/MAS/95. Hoechst Aktiengesellschaft. Transition metal compound.
- 615/MAS/95. Zimmermann & Jensen GmbH. A packing assembly for an axially movable spindle extending from a casing.
- 616/MAS/95. Zimmermann & Jensen GmbH. Gate valve.

24th May 1995

- 617/MAS/95. E.I. Dupont De Nemours and Company and Ier Industries Inc. Elastomer seal.
- 618/MAS/95. Novo Nordisk A/s. Novel heterocyclic compound.
- 619/MAS/95. Dana Corporation. Automatically adjusting friction torque device.
- 620/MAS/95. The Chemithon Corporation. Flue gas conditioning system from intermittently energised precipitation.
- 621/MAS/95. Leiras Oy. Device for the release of an active agent.
- 622/MAS/95. AST Research Inc. Memory controller which executes read and write commands out of order.

25th May 1995

- 623/MAS/95. Lucas Industries Public Limited. Vehicle braking system.
- 624/MAS/95. Monsanto Company. Acrylic fiber with high optical brightness.
- 625/MAS/95. Schlumberger Industries SA. Current measurement circuit comprising a mutually coupled transformer and an integration circuit.
- 626/MAS/95. Akzo Nobel NV. Tablet, capsule, or granule comprising desogestral.

627/MAS/95. Schlumberger Industries SA.

628/MAS/95. Somar Corporation. Method and device for peeling a file.

26th May 1995

- 629/MAS/95. R. Sathyanarayanan; K. Sivagnanam; K. Senthil Kumar; N.M. Senthil Kumar. Mechanically controlled direct petrol injection system for a 350CC 4 stroke single cylinder engine.
- 630/MAS/95. Kanderi Parambil Muraliedharan and Kizhakoot Kunjukuttan Suresh. A process for manufacturing potassium nitrate.
- 631/MAS/95. Spic Science Foundation. A method of preparation of a rhizobial inoculant for achieving enhanced modulation activity and grain yield in legumes and a composition and medium therefor.
- 632/MAS/95. Mitsubishi Denki Kabushiki Kaisha. Alternating-current generator.
- 633/MAS/95. A. Ahlstrom Corporation. Eliminating ash bridging in ceramic filers.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एक्सचेंज के उपर्युक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुस्यूत हैं।”

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Ind. Cl.: 32-B

175691

Int. Cl. 4: C 07 C 4/00.

A CATALYTIC PROCESS FOR MOLECULAR RESTRUCTURING OF HYDROCARBONS.

Applicant: APARNA CHEMISEARCH, 6-A, DSILVA ROAD, MYLAPORE, MADRAS-600 004, TAMILNADU, INDIA REPRESENTED BY VISWANATHA SANKARAN, M.A., I.A.S., (Retd.) NO. 6-A D-SILVA ROAD, MYLAPORE, MADRAS-600 004, TAMILNADU, INDIA, INDIAN NATIONAL.

Inventors:

- (1) VISWANATHA SANKARAN.
- (2) DR. D. RAMASWAMY.
- (3) GOVINDA VAIDYANATHA RAMASWAMY.

Application No. 60/MAS/90 filed January 22, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A catalytic process for the molecular restructuring of hydrocarbons, namely, solid, liquid or gaseous hydrocarbons to produce C8—C15 hydrocarbons, wherein said process consists in bringing; hydrocarbons, such as herein described, into contact with a catalyst comprising anhydrous aluminium chloride and a copper salt, zinc chloride, sodium bore hydride and antimony fluoride, said catalyst being coated or otherwise deposited, whenever required, on a support material; the said anhydrous aluminium chloride constituting at least 5% by weight of said hydrocarbons, the said copper salt constituting 5%—10% by weight of said anhydrous aluminium chloride; and the said zinc chloride, sodium bore hydride and antimony fluoride constituting not less than 1% by weight of the said anhydrous aluminium chloride.

(Com.—21 pages)

Ind. Cl.: 53-D&E

175692

Int. Cl. 4: B 62 D 37/04.

A STABILISER SYSTEM FOR A SINGLE TRACK WHEELED VEHICLE.

Applicant & Inventor: DONALD WELTON SHEPHERD, OF CHERRY LANE, DRINGHOUSES, YORK YO2 2QH, UNITED KINGDOM, A CITIZEN OF UNITED KINGDOM.

Application No. 149/MAS/90 filed February 26, 1990.

Convention date: February 27, 1989; (No. 8904430 9; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A stabiliser system for a single track wheeled vehicle comprising: an arm having one end pivotally connected to a near a wheel spindle of the vehicle, a cross shaft connected to the other end of the arm; a pair of stabilisers mounted on the cross shaft; a wheel engaging element mounted on the cross shaft between the stabilisers; and means for moving the arm between a raised position in which the stabilisers are clear of the ground, and a lowered position in which the stabilisers contact the ground and the vehicle wheel is raised clear of the ground and engages the engaging element.

(Com. 25 pages;

Drwgs. 5 sheets)

Ind. Class-208-E

175693

Int. Cl. 4- H 03 F 3/00

H 03 C 1/00

A DIGITAL CONTROLLED SWITCHING CIRCUIT

Applicant: PEAVEY ELECTRONICS CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, 711 ASTREET, MERIDIAN, MISSISSIPPI 39301, UNITED STATES OF AMERICA.

Inventors:

- (1) BRIAN E. ATTWOOD
- (2) LARRY E HAND
- (3) LEE C. SANTILLANO

Application No. 162/MAS/90 filed March 2, 1990.

Convention date: March 4, 1989; (No. 8905002. 5; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

A digital controlled switching circuit comprising a dc power source first switching means (40,42) connected to said power source and operable to provide a square wave output, second switching means (56, 58) having a forward conduction mode and connected to receive said square wave output, phase control means (76) responsive to an input signal and adapted to control the switching of said second switching means (56, 58) at a variable phase angle relative to the square wave output, the phase angle being a function of the magnitude of the input signal, steering diode means (100A - 100D, 102A - 102D) for controlling the polarities of the outputs of said second switching means to operate in said forward conduction mode, whereby to provide a phase modulated pulse width modulated signal (V1) corresponding to said input signal, and output filter means (72) for receiving said phase modulated pulse width modulated signal and to output a corresponding analog time-averaged signal; wherein said circuit is an audio amplifier in which said input signal is an input audio signal, which further comprises clamping means (D1, D4) for suppressing voltage spikes in said phase modulated pulse width modulated signal output from said second switching means and means (176) to cause said second switching means to switch at a phase angle relative to said square wave of substantially 0° or 180° when said function of the input signal is less than 00 or greater than 180° respectively.

(Com. - 26 pages; Drwgs. - 3 sheets of which one size of 3.00 cms. by 41.00 cms.)

Ind. Class : 190-B

175694

Int. Cl.⁴ : F 01 D 512

A METHOD OF REPAIRING A TURBINE BLADES

REFURBISHED TURBINE COMPONENTS LIMITED,
A BRITISH COMPANY, OF GEORGE BAYLISS ROAD,
DROITWICH, WORCESTERSHIRE WR9 9AB.

Inventors : (1) MICHAEL JAMES FRASER
(2) RAYMOND DONALD LEGROS

Application No. 197/MAS/90 filed March 16, 1990.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A method of repairing a turbine blade while said blade is on a rotor, said blade being of the type having a lacing wire, said method characterized by the steps of :

- (a) removing any connection between the lacing wire and the turbine blade to be repaired and other blades adjacent the blade to be repaired;
- (b) removing any connection through lacing wire interconnecting adjacent members;
- (c) causing relative movement in a circumferential direction of said lacing wire members in a direction clockwise and/or anti-clockwise so that the lacing wire members are moved in a direction away from the blade to be repaired;
- (d) reconditioning the blade after said lacing wire has been removed therefrom;
- (e) moving the members forming said lacing wire in opposite directions to which it had previously been moved so as to re-establish said lacing wire in its proper position;
- (f) remaking any connection previously disconnected to enable said movement.

(Com. 20 pages;

Drwgs. 2 sheets)

Ind. Cl. : 128 A

175695

Int. Cl.⁴ : A 61 F 13/16

"PRESSURE-SENSITIVE ADHESIVE TAPE FASTENER AND A METHOD OF MAKING THE SAME".

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE USA RESIDING AT 3M CENTER, SAINT PAUL, MINNESOTA 55144 UNITED STATES OF AMERICA.

Inventors : (1) LEIGH E. WOOD
(2) ALLEN L. NOREEN.

Application No. 265/MAS/90 filed on 10th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rule 1972), Patent Office Branch, Madras-600 002.

17 Claims

A pressure-sensitive adhesive tape fastener comprising :

- (a) a backing having two faces with an array of up-standing stems distributed across at least one face of the backing said stems having bases adjacent said at least one face and projecting out-wardly from said at least one face to tips wherein the height of a stem is the distance between the base of the stem and the outermost point on the tip, and;

- (b) a pressure-sensitive adhesive layer on said at least one face of the pressure-sensitive adhesive filling the spaces between the stems where the average pressure-sensitive adhesive layer depth is less than the average height of the stems.

(Com. Specn. 22 pages;

Drg. 1 sheet)

Ind. Cl. : 107-B

175696

Int. Cl.⁴ : F 02 B 23/00:27/02

INTERNAL COMBUSTION ENGINE.

Applicant : AARDVARK PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE NORTHERN TERRITORY, OF 10 MALABAR COURT, DARWIN, IN THE NORTHERN TERRITORY, COMMONWEALTH OF AUSTRALIA.

Inventor : DAVID JAMES RORKE.

Applicant No. 398/MAS/90 filed May 22 1990.

Convention date : June 7, 1989 (No. PJ-4623: Australia).

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

An internal combustion engine comprising a cylinder and a piston mounted for reciprocation in the cylinder, the piston and the cylinder co-operating to define a combustion chamber and a pumping chamber each of which varies in volume upon reciprocation of the piston in the cylinder, an inlet means to admit air into the pumping chamber, a transfer chamber defined within the piston for receiving and containing air from the pumping chamber, a control means for controlling discharge of the air from the transfer chamber into the combustion chamber, means independent of the transfer chamber for transferring a rich fuel/air mixture into the combustion chamber, wherein the control means is operable to allow air to discharge from the transfer chamber into the combustion chamber only after the combustion chamber commences to expand in volume following combustion of the fuel/air mixture therein.

(Comp. 20 pages;

Drwgs. 9 sheets)

Ind. Cl. : 24-B

175697

Int. Cl.⁴ : F 16 D 55/00.

A SPOT-TYPE DISC BRAKE INCLUDING A FLOATING CALIPER AND PRESSURE PLATE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) HARALD GOCKEL
(2) BERND ROHLING.

Application No. 451/MAS/90 filed June 11, 1990.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules. 1972), Patent Office, Madras Branch.

3 Claims

A spot-type disc brake, comprising a brake carrier (10) with a pair of caliper guides (56) arranged at the same in a manner protected from contamination by elastic boots (64),

a pair of brake pads (14, 16) disposed at either side of a brake disc (12) and each including a backplate (18) with a friction lining (20) secured to the same,

a floating caliper (22) guided in parallel with the axis of the brake disc (12) on the caliper guides (56) and straddling both the brake disc (12) and the two brake pads (14, 16).

a brake actuating tappet (42) guided for axial displacement in the floating caliper (22) at one side of the brake disc (12), and

a pressure plate (54) arranged in parallel with the brake disc (12) between the tappet (42) and the backplate (18) of the adjacent brake pad (14) to distribute actuating forces of the tappet (42) to this brake pad (14) and having a recess (68) each in its edge in the area of the caliper guides (56) for the respective elastic boot (64),

characterized in that

the elastic boots (64) are covered by stiff, cup-shaped caps (66) fixed to a sleeve (58) each of the corresponding caliper guide (56) and engaging with radial clearance in one each of the recesses (68) formed in the edge of the pressure plate (54), and that

a heat insulation plate (72) is disposed between the pressure plate (54) and the backplate (18) of the adjacent brake pad (14) and at least partly covers the recesses (68) in the edge of the pressure plate (54).

(Com. 10 pages;

Drwgs. 2 sheets)

Ind. Class : 45-B₁ & 150 O

175698

Int. Cl.⁴ : B 61 D 35/00

A METHOD OF MANUFACTURE OF VENTURI TYPE LAVATORY CHUTES FOR RAILWAY COACHES.

Applicant : POLYENE GENERAL INDUSTRIES PRIVATE LIMITED, A-11 & 12, INDUSTRIAL ESTATE, GUINDY, MADRAS-600 032, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor : MUDUMBI PARTHASARATHY.

Application No. 68/Mas/91 filed on February 1, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A method of manufacture of venturi type lavatory chutes for railway coaches comprising the steps of blow moulding venturi chambers as bottles, trimming the front and base thereof to expose a window communicating through a venturi throat with a base opening; preparing a chute parison by extrusion and preclosing the same; inserting the venturi chambers in preheated condition on bolsters; dropping the pre-closed chute parison in pre-blown condition into the bottom well of a mould consisting of two side halves; hydraulically closing the two side halves of the mould and hydraulically bringing the two preheated venturi chambers against the chute parison at its bottom on either side thereof; blowing the chute parison within the mould by the application of pneumatic pressure; cooling the mould including the bottom well; relieving the pneumatic pressure and opening the mould to release the chute with the venturi chambers welded thereto; further cooling the said chute before trimming the dome-shaped top and base portions of the chute to expose the top and base openings thereof

Comp 10 pages

Drwgs. 6 sheets

Ind. Class : 155-B&E

175699

Int. Cl.⁴ : A 47 G 27/00

A PROCESS FOR PLASTIC LAMINATION OF COIR MATTING.

Applicants & Inventors : (1) CHIRAYAVALEL THOMAS THOMAS, (2) TITTEN THOMAS AND (3) THELMA JOSEPH, ALL OF KELACHANDRA PLASTIC INDUSTRIES, CHINGAVANAM-686 531, KERALA, INDIA, ALL INDIAN NATIONALS.

Application No. 139/Mas/91 filed on February 20, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for plastic lamination of coir matting comprising the steps of introducing ethylene vinyl acetate co-polymer (EVA), granules into an extruder; passing the molten EVA in the extruder to a T-die for causing the same to emerge therefrom as a molten film; introducing coir matting and the EVA film emerging from the T-die between compression rollers whereby the matting and film are compressed, the matting with a backing of the said film bonded thereto thus emerging from the rollers.

Comp. 6 pages

Drwg. 1 sheet

Ind. Class : 155-B&E

175700

Int. Cl.⁴ : A 47 G 27/00

A PROCESS FOR PLASTIC LAMINATION OF COIR MATTING.

Applicants & Inventors : (1) CHIRAYAVALEL THOMAS THOMAS, (2) TITTEN THOMAS AND (3) THELMA JOSEPH, ALL OF KELACHANDRA PLASTIC INDUSTRIES, CHINGAVANAM-686 531, KERALA, INDIA, ALL INDIAN NATIONALS.

Application No. 140/Mas/91 filed on February 20, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for plastic lamination of coir matting comprising the steps of introducing ethylene vinyl acetate co-polymer (EVA), granules into an extruder; passing the molten EVA in the extruder to a T-die for causing the same to emerge therefrom as a molten film; introducing coir matting and a sheet of plastic or fabric in between compression rollers and simultaneously letting the film of EVA in between the said matting and sheet whereby the film is sandwiched and compressed therebetween, the matting with a backing of the said sheet bonded thereto thus emerging from the rollers.

Com. 7 Claims;

Drwg. 1 sheet

Ind. Cl. : 56 G and 97 F

175701

Int. Cl.⁴ H 05 B, 6/80

THERMAL VAPORIZER WITH AN ACTIVE INGREDIENT.

Applicant : EARTH CHEMICAL COMPANY, LIMITED, A JURIDICAL PERSON UNDER THE LAWS OF JAPAN, OF 3218/12, SAKOSHI, AKO-SHI, HYOGO-KEN, JAPAN.

Inventors : TAKAHIRO HASEGAWA, TAKANOBU KASHIHARA, JUNICHIRO MESAKI & AKIRA NISHIMURA.

Application for Patent No. 129/Del/89 filed on 10 Feb 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A thermal vaporizer with an integral plug for insertion into an electrical outlet comprising :

A vaporizer body (1) ;

a ring heater (5, 5a) mounted within said vaporizer body (1) ;

a wick (11) having a cross sectional area, for drawing up a chemical solution from a bottle which wick (11) is insertable into the ring heater (5, 5a) concentrically therewith;

a socket (7) disposed under said heater (5, 5a) with spacing therebetween;

a bottle (8) fittable in the form of a removable cap to said socket (7) such that when the bottle (8) is in place, one or more openings are provided for said wick (11);

at least one air outlet (15) formed in the top portion (2) of said vaporizer body (8), said air outlets (15) having a total opening area that is 2 to 40 times the cross sectional area of said wick (11);

at least one air intake formed in the bottom portion of the body and having a total opening area that is 1.5 to 20 times the cross sectional area of said wick; and

a plug (12) electrically connected to said ring heater (5, 5a).

Compl. Specn. 15 pages

Drwg. 6 sheets

Ind. Cl.: 39 Q

175702

Int. Cl.: C01F 17/00

A PROCESS FOR THE PREPARATION OF BLUE EMITTING EUROPIUM ACTIVATED ALKALINE EARTH FLUORO HALIDE PHOSPHORS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: RAVILSETTY PADMANABHA RAO, KAILATHUVALAPPIL INNIRI VASU.

Application for Patent No. 185/Del/89 filed on 1-3-89
Comp. filed on 8-5-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A process for the preparation of blue emitting europium activated alkaline earth fluoro halide phosphors which comprises mixing Eu_2O_3 or EuF_3 , BaCl_2 , CaF_2 , and/or BaF_2 firing the mixture in a closed muffle furnace in the presence of CO at a temperature in the range of 700 to 950°C for a duration of 1 to 2 hours, followed by cooling pulverising and sieving.

Prov. Sp. 8 + Comp. Sp. 10 Total 18

Drwg. 1 sheet

Ind. Cl. 129 F

175703

Ind. Cl.: B 23 C, 3/32

A DEVICE FOR IMPARTING A PROFILE TO A SURFACE.

Applicant: SAURABH N. KINARIWALA, OF S-466, GREATER KAILASH PART-I NEW DELHI-110048, INDIA.

Inventor: SAURABH NATWARLAL KINWARIWALA.

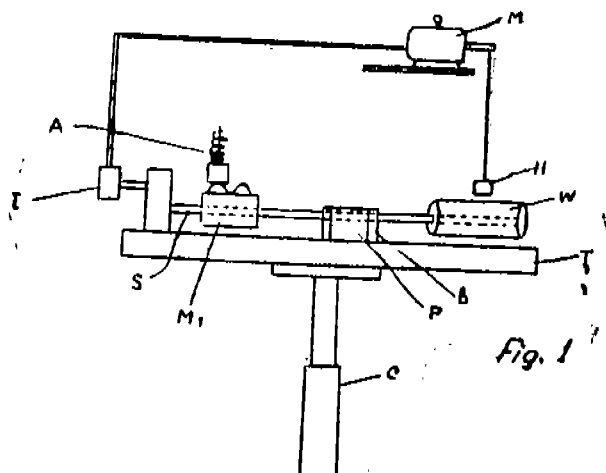
Application for Patent No. 234/ filed on 13-3-89 Comp. after prov. specification 13-12-90.

Post dated to 13 September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, New Delhi.

4 Claims

A device for imparting profile to a surface comprising a table for supporting a workpiece and a master said table being supported on a hydraulic cylinder coacting with said table characterised in that a tracer coacting with said master being connected to the hydraulic system through a hydraulic valve so as to cause raising and lowering of said table an indexing table having a shaft for supporting said master of workpiece and adopted to receive a drive from a motor mounted over the said table a cutter for imparting groove being connected to said motor directly a pipe supported on the bearings on either ends beings provided between said workpiece and said master.



(Prov. Specn. 4 pages; Drwg. 1 sheet Comp. Spec. 7 pages)

Ind. Cl.: 40 I

175704

Int. Cl.: C 09 K 3/00.

A PROCESS FOR THE PREPARATION OF A LIQUID REAGENT INDICATOR FORMULATION FOR ESTIMATION OF IODINE IN IODATED SALT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s):

SHARAD DURGASHANKER BHATT.

SATISH HARIRAY MEHTA.

ROHIT HARIKRISHNA TRIVEDI.

GOPAL DATTATREYA BHAT.

BHAGWAN PANDURANG CHOUDHARI.

Application for Patent No. 272/DEL/89 filed on 27-3-89
Comp. after Prov. Spec. 18-5-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of a liquid reagent indicator formulation for estimation of iodine in iodated salt which comprises mixing 2.0 g by wt. soluble starch powder 20 g by weight potassium iodate. 1 ml by volume carbon tetrachloride 47.24 ml of 0.1 N $\text{Na}_2\text{S}_2\text{O}_3$ solution and 952.76 ml of water to make upto 1000 ml.

Prov. 3 Comp. Pt. 5/8 pages.

Ind. Cl.: 32F₂ (b)

175705

6 Claims

Int. Cl.: C 07 D 215/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF 2, 4-DIHYDROXY QUINOLINE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s):

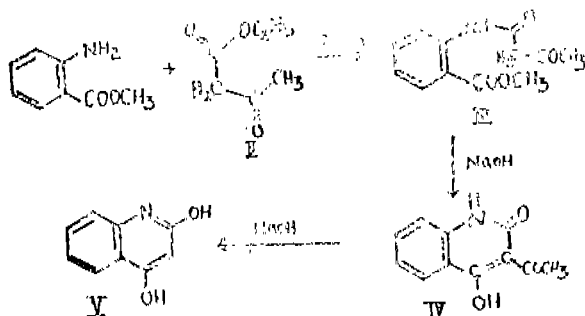
YERRAMALLI RAMACHANDRA RAO.
SRIDHARA ACHARYA.
SARADA PRASAD RATTI.

Application for Patent No. 414/DEL/89 filed on 12-5-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the production of 2, 4-dihydroxy quinoline which comprises (1) condensation of methyl anthranilate of the formula shown in fig. (I) of the drawing accompanying the specification with an aceto acetate ester of the formula II in the presence of a base catalyst such as alkali metal hydroxide or an alkali metal alkoxide in any inert solvent (2) Isolation of 2-carbomethoxy aceto acetanilide by known methods, (3) Cyclisation of 2-carbomethoxy aceto acetanilide (III) to 3-acetyl-4-hydroxy-1, 2-dihydro quinoline-2-one (IV) by known methods such as herein described, (4) deacetylation of IV to 2, 4-dihydroxy quinoline (V) with concentrated aqueous sodium hydroxide, (5) precipitation of (V) from the alkaline solution with a mineral acid and (6) isolation of 2, 4-DHQ by centrifugation or filtration.



(Comp. Specn. 7 pages;

Drg. 1 sheet)

Ind. Cl.: 40 B

175706

Int. Cl.: B 01 J 21/06.

A PROCESS FOR THE PREPARATION OF CRYSTALLINE CATALYST COMPOSITE MATERIAL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s):

RAJIV KUMAR.
APPADURAI THIANGARAJ.

Application for Patent No. 418/DEL/89 filed on 15-5-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

A process for the preparation of Crystalline catalyst composite material having a composition in terms of mole ratios of oxides of formula $0.2=0.2 M_2O : Fe_2O_3 : 20-200 SiO_2 : ZH_2O$ wherein M is a monovalent cation and Z is 0-20 and characterised by a X-ray diffraction pattern as herein described which comprises mixing an aqueous solution of salts iron, alkali metal silicon, and sulphuric acid with an organic compound containing nitrogen having the formula $[(R)_3-N-(CH_2)_n-N-(R)_3] X_2$ where X is Cl, Br, I or OH, R is methyl and n is 4 to 6 and heating the resultant gel at autogeneous pressure under stirring at 100—200°C for 1 to 20 days, filtering, washing, drying and calcining at a temperature in the range of 460—480°C and further treating the same by ion exchange with an aqueous solution of a salt of ammonia to get ammonium form of the catalyst followed by calcination at a temperature within range of 400—480°C to get the catalyst composite material.

(Comp. Spec. 12 pages;

Drg. Nil)

Ind. Cl.: 9D & 12C

175707

Int. Cl.: C22 C 38/18.

A METHOD FOR THE MANUFACTURE OF STEEL.

Applicant: MIDDLEBURG STEEL AND ALLOYS (PROPRIETARY) LIMITED, A LEGAL BODY ORGANISED AND EXISTING UNDER THE LAWS OF THE REPUBLIC OF SOUTH AFRICA, ZENEX HOUSE, 5TH STREET, SANDTON, TRANSVAAL PROVINCE, REPUBLIC OF SOUTH AFRICA.

Inventor: JACK HEWITT.

Application for Patent No. 422/DEL/89 filed on 15 May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A method for the manufacture of steel having the following mechanical properties typically;

Proof stress—350 MPa.

Ultimate tensile strength 520 MPa.

Elongation 20%.

Brinell hardness—165.

and the substantial absence of Martensite microstructures at cooling rates lower than 5°C/Min which comprises hot working a corrosion resistant steel having an austenitic to ferrite and carbide transformation temperature (A_c) between 650°C and 850°C and having the following components by mass.

Chromium	10—18%
Manganese	up to a maximum of 2.5%
Silicon	up to a maximum of 2.5%
Nickel	0.0—5%
Carbon	up to a maximum of 0.25%
Nitrogen	up to a maximum of 0.1%
Titanium	0—1.0%
Molybdenum	0—1.0%
Vanadium	0—1.0%
Zirconium	0—1.0%
Niobium	0—1.0%
Copper	0—2.0%
Aluminium	up to a maximum of 0.5%
Phosphorus	up to a maximum of 0.1%

the balance being iron and unavoidable impurities at above the said A_c transformation temperature;

cooling the hot worked steel to below the transformation temperature at a cooling rate of between 10°C/Min and 10°C/Min to ensure substantially absence of Martensite microstructures throughout the steel so produced.

(Comp. Specn. 23 pages;

Drwg. 8, sheets)

Ind. Cl.: 55 E (2)

175708

Int. Cl.: A 61 K, 9/10.

A PROCESS FOR THE PREPARATION OF SKIN CARE LOTION CONTAINING TRANSESTERIFIED JOJOBA OIL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor: PANDYA JAYANT BATUKRAY, SHETHIA BHUPENDRA DHANVANT RAI, MRS. RATHOD MEENA RAJNIKANT & IVENGAR ECHAMBADY RAJAGOPALA RANGASWAMY.

Application for Patent No. 1022/DEL/90 filed on 16 Oct 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the preparation of skin care lotion containing transesterified jojoba oil which comprises preparing (1) oil phase 'A' consisting of cetyl alcohol 0.8%, coconut oil in the range of 2.21 to 2.3% transesterified jojoba oil 3.5 to 4.5% glyceryl monostearate 1.3% sorbiton ester (Tri) of oleic acid in the range of 1.3 to 1.4% stearic acid 1.5%, Bees wax 0.5% and (2) aqueous phase 'B' consisting of propylene glycol in the range of 2.5 to 3.5%, glycerol in the range of 1.6 to 1.8% citric acid 0.2%, water in the range of 60 to 63 and (3) aqueous phase 'C' consisting of triethanol amine 0.8%, water 20.8%, adding dropwise phase 'C' to phase 'A' with continuous stirring and heating at a temperature in the range of 75-80°C, adding phase 'B' to the said mixture of A & C dropwise under continuous stirring and heating at a temperature in the range of 75 to 80°C.

(Comp. Specn. 14 pages,

Drwg. Sheet Nil)

Ind. Cl.: 32 F(2b).

175709

Int. Cl.: C 07 D, 421/02.

A PROCESS FOR PREPARATION OF SELLENOPIEN DERIVATIVES.

Applicant: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATION SCIENTIFIQUES (S.C.R.A.S.), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

Inventors: PIERRE BRAQUET & COLETTE BROQUET.

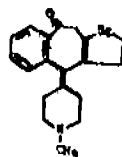
Application for Patent No. 1105/Del/90 filed on 7 Nov 1990.

Conventional date 22-11-89/89. 26392.5/U.K.

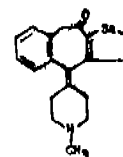
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of selenophen derivatives of the formulas X and XI

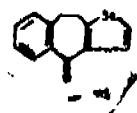


X



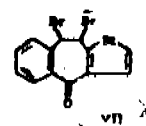
XI

comprising brominating the 9, 10-dihydro 4H benzo (4, 5) cyclohepta (1, 2-b) selenophen 4-one of the formula VI



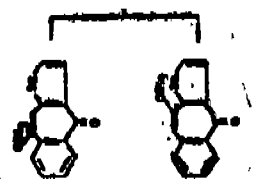
in an inert aprotic solvent of the kind herein described under reflux, in presence of dibenzoylperoxide, by a large stoichiometric excess of N-bromosuccinimide,

thereafter submitting the thus obtained 9, 10-dibromo 4H benzo (4, 5) cyclohepta (1, 2-b) selenophen 4-one of the formula VII



to reflux in methanol, then to the addition of a larger stoichiometric excess of potassium oxide, at a temperature of from 60°C to 90°C, to form 9-and 10-methoxy 4H benzo (4, 5) cyclohepta (1, 2-b) selenophen 4-one,

then reacting slowly the mixture of 9-and 10-methoxy 4H benzo (4, 5) cyclohepta (1, 2-b) selenophen 4-one of formula VIII,



at a temperature of from 20 to 25°C in an aprotic solvent of the kind herein described, on a large stoichiometric excess of (1-methylpiperidine 4-yl) magnesium chloride, to form 4-hydroxy 4-[1-(methyl 4-piperidyl)] 9- and 10- methoxy benzo (4, 5) cyclohepta (1, 2-b) selenophen,

and finally treating the thus obtained 4-hydroxy 4-[1-(methyl 4-piperidyl)] 9-and 10-Methoxy benzo (4, 5) cyclohepta (1, 2-b) selenophen by hydrochloric acid, at a temperature of about 100°C, and separating the compounds by chromatography.

(Compl. Specn. 16 pages,

Drwg. sheet 3)

Ind. Cl.: 55 (A)

175710

Int. Cl.: A 61 K, 7/32

THIOL HETEROCYCLIC DEODORANT COMPOSITION.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, U.S.A. OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor: RANJIT CHATTERJEE.

Application for Patent No. 1191/Del/90 filed on 29 Nov 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A deodorant composition suitable for application to the skin or to articles of clothing worn in the vicinity of the skin for controlling malodor from perspiration characterized in that it comprises:

(a) 0.01% to 20 wt % of a thiol heterocyclic compound

(i) wherein said compound has a heterocyclic ring structure having at least one heteroatom, preferably from 1 to 3 heteroatoms, in the ring structure selected from oxygen, nitrogen, and sulfur, preferably nitrogen, wherein preferably the nitrogen heteroatom(s) is (are) not bonded directly to an oxygen atom to form a N-oxide;

(ii) wherein the heterocyclic ring structure has at least 1 thiol substituent attached to a carbon atom of said heterocyclic ring;

(iii) wherein preferably the ring structure is unsubstituted, other than thiol substituent(s), or substituted on carbon atoms of the ring structure, wherein said substituents (other than thiol) are selected from hydroxy, amino, and substituted or unsubstituted alkyl;

(b) a topical carrier such as herein described, and

(c) optionally, an additional conventional deodorant active agent of the kind such as herein described.

(Compl. Specn. 48 pages)

Drwg. Sheet Nil

Ind. Cl.: 39 Q

175711

Int. Cl.: C 01 G 9/08.

A PROCESS FOR THE PREPARATION OF ACTIVATED ZINC SULPHIDE.

Applicant: NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA, 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Inventors: PRADEEP KUMAR GHOSH, HAR PRAKASH NARANG, HARISH CHANDER & VIRENDRA SHANKER ALL INDIAN NATIONALS OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTN. NEW DELHI-110 048.

Divisional to 109/DEL/88

Ante dated to 18-5-89.

Application for Patent No. 457/DEL/89 filed on 26-5-89

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules 1972), Patent Office Branch, New Delhi-110 005

6 Claims

A process for the preparation of pure zinc sulphide which comprises in subjecting as ammonia complex solution of the kind as herein described to step of preferential precipitation in the presence of hydrogen sulphide to obtain a precipitate of zinc sulphide, washing and drying the precipitate followed by the step of grinding of a fine powder, subjecting the ground precipitate to a first step of firing in a nitrogen atmosphere and to a second step of firing in an atmosphere of hydrogen sulphide.

(Compl. Specn. 9 pages;

Drg. Nil)

Ind. Cl.: 39 Q

175712

Int. Cl.: C 01G 9/08

A PROCESS FOR THE PREPARATION OF ACTIVATED ZINC SULPHIDE.

Applicant: NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA, 20-22 ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Inventors: PRADEEP KUMAR GHOSH, HAR PRAKASH NARANG, HARISH CHANDER & VIRENDRA SHANKER, ALL INDIAN NATIONALS OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Application for Patent No. 458/Del/89 filed on 26-5-89.

Divisional to Patent Application No. 109/Del/88 filed on 18-5-89.

Ante-dated to 18-5-89.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of activated zinc sulphide which comprising in forming a paste of pure zinc sulphide with a fluxing agent such as sodium chloride and water, drying the paste to dried powder, allowing a particle growth of zinc sulphide powder 10 to 60 microns, reducing the particle size by wet milling and then adding an activator and coactivator as herein described to form a mixture, firing the mixture in a nitrogen gas atmosphere to obtain activated zinc sulphide at a temperature of 800 to 1100°C.

(Compl. Specn. 7 pages

Drgs. Nil)

Ind. Cl.: 39 Q

175713

Int. Cl.: C10 G 11/02

A PROCESS FOR THE PREPARATION OF PURE ZINC SULPHIDE.

Applicant: NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA, 20-22 ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Inventors: PRADEEP KUMAR GHOSH, HAR PRAKASH NARANG, HARISH CHANDER & VIRENDRA SHANKER, ALL INDIAN NATIONALS OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Application for Patent No. 459/Del/89 filed on 26-5-89.

Divisional to Patent Application No. 109/Del/88 filed on 18-5-89.

Ante-dated to 18-5-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of pure cadmium sulphide which comprises in dissolving cadmium nitrate in water so as to obtain acidic solution, subjecting said solution to the step of preferential precipitation in presence of hydrogen sulphide as herein described to obtain cadmium sulphide as a precipitate, drying said precipitate and then subjecting the dried precipitate to the step of firing at a temperature of 300 to 500°C to obtain purified cadmium sulphide.

Compl. Specn. 4 pages

Drg sheet Nil

Ind. Cl. : 35 G

175714

Int. Cl. : C04B 35/00

AN IMPROVED PROCESS FOR MAKING UNGLAZED CERAMIC TILES FROM PYROPHYLLITE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA.

Inventors MR. SUSHIR SITARAM AMRITPHALE, DR. NAVIN CHANDRA, MR. ASIM KUMAR SINGH SCIENTISTS, DR. RAJENDRA KUMAR.

Application for Patent No. 497/Del/89 filed on 7 June 1989.

Comp. After Prov. Spec. 5-9-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

An improved process for making unglazed ceramic tiles from pyrophyllite which comprises grinding/powering of the pyrophyllite lumps to a size ranging from -200 to + 325 BSS, dry blending with 7 to 12% w/w of an alkaline phosphatic binder, such as herein described compacting the blended material at a pressure in the range of 250 to 500 kg/sq cm upto 2 minutes to obtain green tiles and firing the green tiles so obtained in a furnace at a temperature in the range of 920 to 1000°C for a period of 1 to 3 hrs.

Prov. Spec. 5 pages

Comp. Specn. 11 pages

Drgs. Nil

Ind. Cl. : 104 J

175715

Int. Cl. COBL 11/02

A POLYMERIC COMPOSITION USED FOR MANUFACTURING ARTICLES SUCH AS A CIRCUMFERENTIAL FABRIC-REINFORCED RUBBER BELT A UNDERTREAD GUM LAYER OR A GUM STRIP EMPLOYED IN A PNEUMATIC RUBBER TIRE.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO OF 1144, EAST MARKET STREET STREET ARKON, OHIO 44316-0001 UNITED STATES OF AMERICA.

Inventors : RICHARD MARTIN SCRIVER, WENLIANG HSU, ADEL FARHAN HALASA.

Application for Patent No. 572/Del/89 filed on 30-6-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A polymeric composition used for manufacturing articles such as a circumferential fabric-reinforced rubber belt, a undertread gum layer or a gum strip employed in a pneumatic rubber tire, said composition comprising (A) from 25 to 75 weight percent of a highly dispersed blend of syndiotactic 1, 2-polybutadiene in synthetic polyisoprene, (B) from 25 to 75 weight percent natural rubber and (C) 0 to 40 weight percent polydiene rubbers other than natural rubbers.

Compl. Specn. 18 pages

Drgs. Nil

Ind. Cl. : 32E

175716

Int. Cl. : C 08 F, 120/18

A PROCESS FOR THE PREPARATION OF A POLYMERIC POLYION.

Applicant : NUCHEM PLASTIC LIMITED, OF 20/6, MATHURA ROAD, FARIDABAD-121006, INDIAN AN INDIAN COMPANY.

Inventors : PRATHMESH BARAR, ANANDA KUMAR MUKHERJEE & RENUKA SOOD.

Application for Patent No. 584/Del/89 filed on 4 July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of a polymeric polyion used for reducing the hardness of water comprising in subjecting synthetic polymer waste such as polyacrylate to the step of hydrolysis in the presence of 0.25 to 0.5 times the weight of said waste of sodium hydroxide in aqueous form at a temperature of 70 to 100°C till its functional groups are converted to hydrophilic functional groups, namely, carboxyl and hydroxyl groups having Ph of 6.5 to 8.

(Compl. Specn. 7 pages,

Drgs Sheet Nil)

Ind. Cl. : 187C

175717

Int. Cl. : H04M 3/00

A DEMODULATOR SYSTEM FOR A SUBSCRIBER UNIT.

Applicant : INTERDIGITAL TECHNOLOGY CORPORATION, OF 900 MARKET STREET SUIT 200, WILMINGTON, DELAWARE 19801, UNITED STATES OF AMERICA.

Inventor : DAVID NORTON CRITCHLOW GRAHAM MARTIN AVIS SANDRA JANEE KAY EEARLAM KARLE JOSEPH JOHNSON BRUCE ALBERT SMETANA GREGORY LEE WESTLING.

Application for Patent No. 601/Del/89 filed on 6th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A demodulator system for a subscriber unit is disclosed. It comprises a demultiplexer coupled to a signal receiving input, the input receiving time multiplexed complex I and q sample pairs/symbol;

an equalizer connected to an output of the demultiplexer; a modulator for providing a predetermined number training signals;

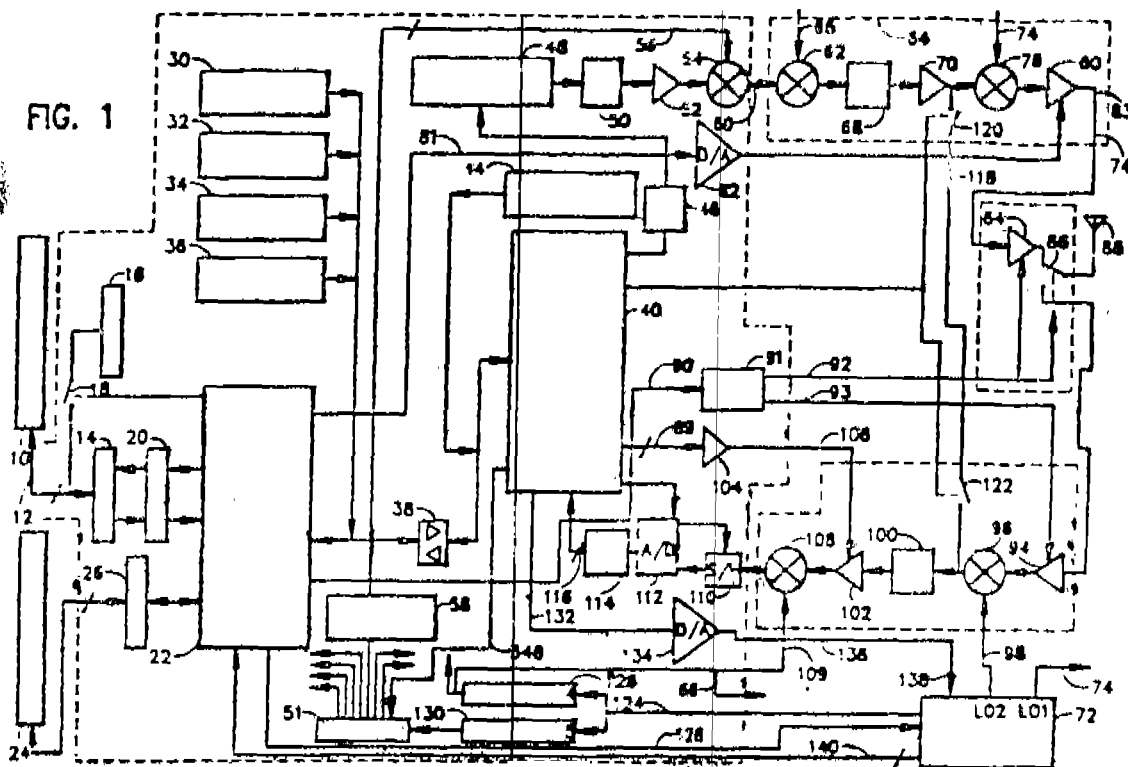
a comparator coupled to outputs of the modulator and the equalizer to compare system inputs with the training signals for generation of weighting coefficients for use by the equalizer;

an arc tangent module connected to the output of the equalizer;

a course frequency control module connected to the output of the equalizer;

a frequency corrector connected to the output of the arc tangent module; and

a summer coupled to an output of course frequency control module and the frequency corrector.



Compl. Specn. 25 pages

Drgs. 2 sheets

IND CL. : 28 E

1757/18

Int. Cl. : F 23 D 1/00

A PULVERISED COAL BURNER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED,
AN INDIAN COMPANY OF BHEL HOUSE, SIRI FORT,
NEW DELHI-110 014, INDIA.

Inventors : MELAPURI KARUNAKARA REDDY,
KARUTHAN MALARKKAN VADAMALAYAN MALARKKAN,
KUNHIRAMAN SIVARAMAKRISHNAN, POONGAVU
SATTANATHA SUBRAMANIAN AND THANGAVEL
SOUNDARAPANDIAN ALL INDIAN NATIONALS
OF RESEARCH AND DEVPT. (BLDG. NO. 53), BHEL,
TRICHY-620 014.

Application for Patent No. 651/DEL./89 filed on 25-7-89.

Appropriate Office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office Branch, New Delhi-
110 005.

7 Claims

A pulverised coal burner comprising a removable coal gun means disposed in a coal gun guide pipe of the stationary part, a burner nozzle tip means, having a quarl with an extension cone being secured with a burner body disposed in an air nozzle tip and a flame scanner guide pipe provided around said nozzle tip, said burner nozzle tip being secured with said coal gun guide pipe through a swirler provided with said quarl of said burner nozzle tip means.

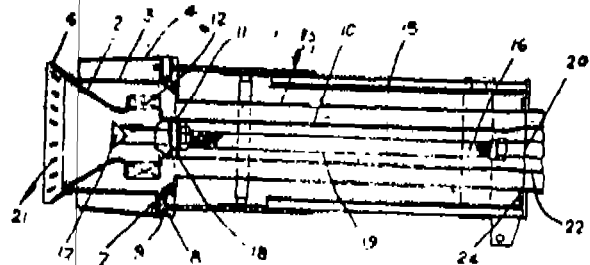


Fig. 3

(Compl. specn. 13 pages

Drgn. 1 sheet)

Ind. Cl. : 39 L 175719

Int. Cl.⁴ : C 01 G 57/00AN IMPROVED FOR SINTERING $YBa_2Cu_3O_{7-x}$ SUPERCONDUCTOR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor (s) : POTTAIL UMADEVI, KUNJURAMAN NAIR RAVINDRAN NAIR, ALATUR DAMODARN DAMODRAN.

Application for Patent No. 674/DEL/89 filed on 28-7-89.

Comp. filed on 20-8-90.

Appropriate Office for opposition proceedings (Rule 4, Paten's Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

An improved process for the sintering $YBa_2Cu_3O_{7-x}$ superconductor which comprises mixing the powder of $YBa_2Cu_3O_{7-x}$ with a binder su as herein described, pressing the mixture into pellets, heating the pellets to a temperature in the range of 400—500°C, cooling the mixture to room temperature, soaking the pellets in solution of dopats such as here in described, the concentration of dopats being 0.5 to 1.5M drying the soaking pellets and heating at a temperature in the range of 920—960°C in the presence of oxygen and slowly cooling to the room temperature.

Prov. Specn. 4 pages+Comp. specn. 8 pages Drg. Nil

Ind. Cl. : 145 D. 175720

Int. Cl.⁴ : D 21 F, 3/08.

"EXTENDED NIP PRESS BELT FOR PRESS SECTION OF PAPER MAKING MACHINE".

Applicant : SCAPA GROUP PLC., A BRITISH COMPANY, OF DAK FIELD HOUSE, 52, PRESTON NEW ROAD, BLACKBURN, LANCASHIRE BB2 6AH ENG-LAND.

Inventor : IDEM.

Application for Patent No. 685/DEL/89 filed on 2-8-89.

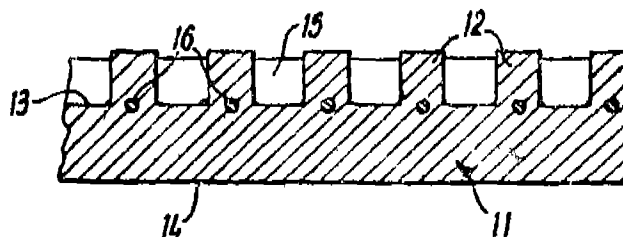
Conventional data : (33) U.K. (32) 10-8-88 (31) 8818992.3.

Appropriate Office for opposition proceedings (Rule 4, Paten's Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

An extended nip press belt for the press-section of a paper making machine, the belt comprising an impermeable sheet-like base structure a multiplicity of integral, closely-spaced upstanding ribs at one face of the base structure and extending in the running direction thereof the other face of the belt

being smooth, and reinforcing yarns within the belt the reinforcing extending longitudinally of some at least of the said ribs and positioned in register therewith at least partially to engage the same.

**FIG. 2**

(Compl. specn. 10 pages

Drgns. 2 sheets)

Ind. Cl. : 177 A.

175721

Int. Cl.⁴ : F 27 D 17/00.

"A WASTE HEAT RECOVERY DEVICED".

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, BHEL HOUSE, SIRI FORT, NEW DELHI-110049, AN INDIAN COMPANY.

Inventor : GANESAN SELVARETHISAM, AN INDIAN NATIONAL BHARAT HEAVY ELECTRICALS, TIRUCHI-RAPALLI.

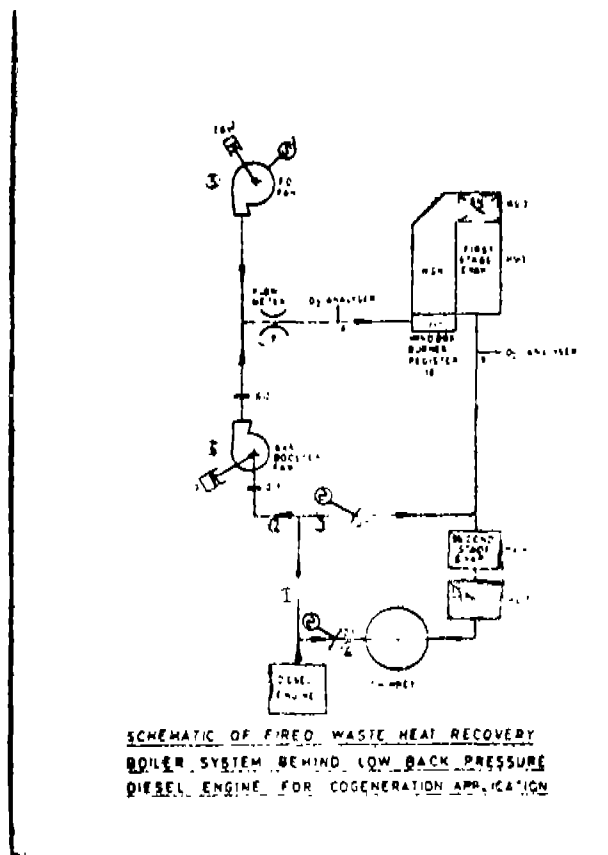
Application for Patent No. 809/DEL/89 filed on 8-9-89.

Appropriate Office for opposition proceedings (Rule 4, Paten's Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A fired waste heat recovery boiler device for low back pressure diesel engine exhaust gases comprising a first and second path adapted to be connected with the exhaust duct¹ of the diesel engine for the flow of the exhaust gases through said paths², characterised in that a booster fan being provided in said first path³ so as to raise the pressure of exhaust gases stream in said first path³, means being provided for providing air to said first stream to support combustion and then flow through a flow meter, super heater and first stage evaporator, said second path of the exhaust gases being provided so as to mix exhaust gases with the first stream of gases flowing from said first stage evaporator, said mixed streams of ex-

haust gases adapted to flow through a second stage evaporator and economizer and then being discharged through chimney.



(Compl. Specn. 10 pages)

Drg. 1 sheet)

Ind. Cl. : 40 F.

175722

Int. Cl.⁴ : C 04B, 2/00, 5/00.

AIR FLOW CONTROL SYSTEM FOR PNEUMATIC CONVEYING OF PULVERULENT MATERIAL IN DENSE PHASE".

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AN INDIAN INSTITUTE OF BHEL HOUSE, SIRI FORT, NEW DELHI-110049, INDIA.

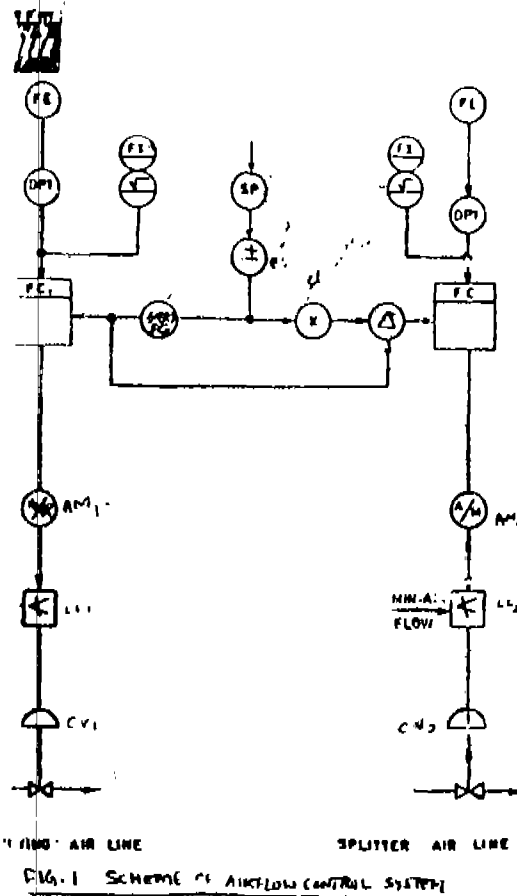
Inventors : KASI VISWANATHAN SEETHARAMAN, MELAPUDI KARUNAKARA REDDY AND JACOB DAVIDRAJ ALL INDIAN NATIONALS OF I/R&D, BHEL TRICHY-620014.

Application for Patent No. 814/DEL/89 filed on 12-9-89.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

Air flow control device for pneumatic conveying of pulverulent material in dense phase comprising a set point generator provided for determining the flow of said pulverulent material being connected a biasing unit, said biasing unit provided for comparing the conveying air flow with the actual air flow being connected to at least a pair of fuel flow controllers through a function generator provided for giving required air flow to convey said material and a subtractor respectively, the output of said fuel flow controllers being connected to connected to the respective air flow control valves for adjusting air flow for the conveying air and supplementary air.



(Compl. Specn. 10 pages)

Drg. 1 sheet)

Ind. Cl. : 9 A [XXXIII(1)].

175723

Int. Cl. : C 22 E 21/02.

"METHOD OF PRODUCING A SQUEEZE-FORMED ALUMINIUM-SILICON ALLOY ARTICLE SUCH AS A CYLINDER LINER FOR AN INTERNAL COMBUSTION ENGINE".

Applicant : GKN TECHNOLOGY LIMITED, A BRITISH COMPANY, OF BIRMINGHAM NEW ROAD, WOLVERHAMPTON, WV4, BW, ENGLAND.

Inventors : 1. BARLOW JOHN, 2. EVANS PHILIP HYWEL, 3. FRANK NICHOLAS HUGH, 4. WILSON HAMISH DUNDAS.

Application No. 841/DEL/88 filed on : 3 Oct 1988.

Convention date : 19-10-87/8724469/Great Britain.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

04 Claims

A method for the production of a squeeze formed aluminium-silicon alloy article such as a cylinder liner for an internal combustion engine which comprises :

squeeze forming a molten alloy consisting essentially of the following composition by weight :—

Silicon	14%	16%
Copper	1.9%	2.2%
Nickel	1.0%	1.4%
Magnesium	0.4%	0.55%
Iron	0.6%	1.0%
Manganese	0.3%	0.6%
Conventional Silicon Modifier	0.2%	0.1%

with the balance being aluminium and any unavoidable impurities : and causing said molten alloy to solidify during said squeeze forming operation whereby the growth rate R of the solid phase during solidification is from 1,000 to 2,000 u/s and the temperature gradient G at the solid/liquid interface, expressed in C/cm, is such that the ratio G/R is from 100 to 1000 PTo PTCs/Cm², to provide the desired squeeze formed article having an essentially eutectic microstructure containing not more than 10% of primary alpha-aluminium dendrites and being substantially free from intermetallic particles exceeding 10/u in diameter.

Compl. Specn. 10 pages

Drg. 1 sheet

Ind. Cl. : 179 F G

175724

Int. Cl.⁴ : B 65 D 39/00, 47/00.

A DISPENSING MEANS FOR USE WITH A BAG AND BOX PACKAGING".

Applicant : STANDIPACK PRIVATE LIMITED, AN INDIAN COMPANY OF 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065, INDIA.

Inventor : KAMAL MEATTLE, AN INDIAN NATIONAL OF 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065.

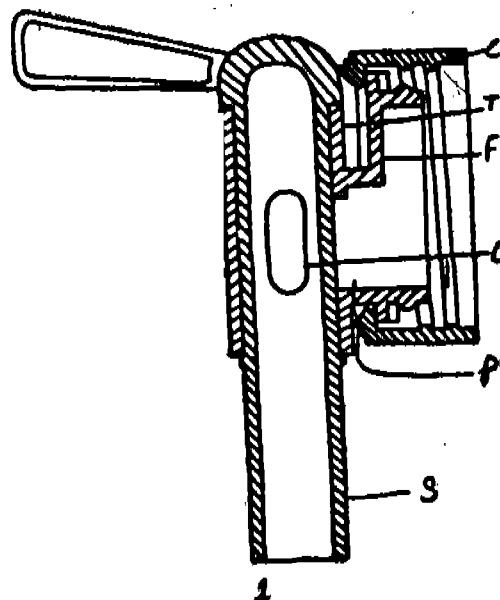
Application for Patent No. 883/DEL/89 filed on 5-10-89.

Complete specifications left on 4-1-91.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A dispensing means for use with bag and box packaging comprising a cap to be press fitted with a socket being provided with said bag or box, characterised in that a plug having a tubular housing and a rotatable sleeve disposed therein being handle being provided with said rotatable sleeve for turning said sleeve to the open and closed position to allow or close the discharge of the liquid from the bag/box.



(Provisional specification 4 pages)

(Compl. Specn. 6 pages)

Drg. 1 sheet)

Ind. Cl. : 103

175725

Int. Cl.⁴ : C 23 c 22/50

AN IMPROVED PROCESS FOR THE PREPARATIONS OF RUST CONVERTING PRIMER BASED ON WATER THINNABLE CHLORINATED RUBBER RESIN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KANAGASABAPATHY RAGUPATHY, SUBBLAH GURUVIAH.

Application for Patent No. 893/DEL/89 filed on 6-10-89.

Complete specifications left on 3-1-91.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims

An improved process for the preparation of rust converting primer based on water thinnable chlorin rubber resin which comprises dissolving 10—15 g chlorinated rubber powder in 15-25 g organic solvent such as Toluene or xylene adding to the resultant solution, 3-5g chlorinated paraffine, 0.5 to 1.0g polyethylene glycol ester and 6—8g butyl cellosolve to produce chlorinated rubber resin, adding dispersing agents such as titanium dioxides, 9—11g talc 1—2g or titanium dioxide, 9—11g bentonite 1-2g and phosphoric acid 14—16g to the said solution to get a rust converting primer having following composition :

Titanium di-oxide	9—11%
Talc/Bentonit	1—2%
Chlorinated rubber	19—21%
Chlorinated paraffin	9—11%
Polyethylen glycol ester	1—2%
Toluene/xylene	16—18%
Water	19—21%
Butyl cellosolve	4—5%
Phosphoric acid	14—16%

(Compl. Specn. 8 pages)

(Provisional specification 6 pages)

Drg. sheet Nil)

Ind. Cl. : 40 B

175726

Int. Cl.⁴ : B 01 J 21/12, 23/42, 23/44.

A PROCESS FOR THE PRODUCTION OF NOVEL CATALYST COMPOSITE MATERIAL USEFUL FOR THE PRODUCTION OF CYCLE OILS HAVING LOWER POUR POINTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

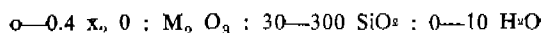
Inventors : SUBRAMANIAN SIVASANKER, PAUL RANASAMY.

Application for Patent No. 989/DEL/89 filed on 6-10-89.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A process for production of novel catalyst composite material useful for the production of cycle oils having low pour points which comprises blending 10—90% by weight of a crystalline metallosilicate in terms of mole ratio of the oxides :



where x is sodium, ammonium, hydrogen, platinum or palladium, M is iron, lanthanum, aluminium or mixture thereof with 10—90% by weight of a binder the binder being with or without cracking activity, consisting of a clay material, alumina sols or silica sols or mixture thereof spray drying the resultant mixture at a temperature in the range of 250—550°C.

Compl. Specn. 15 pages

Drg. Nil

Ind. Cl. : 390, 40 B

175727

Int. Cl.⁴ : B 01J, 21/06, C 01 G 23/00

PROCESS FOR THE PREPARATION OF CRYSTALLINE TITANIUM SILICATE TS-2.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

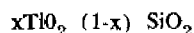
Inventors : JAIE SUDHANKAR REDDY, APPADURAI THANGARAJ, RAJIV KUMAR, PAUL RATNSAMY.

Application for Patent No. 954/DEL/89 filed on 19-10-89.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for the preparation of a porous crystalline titanium silicate TS-2 having the formula :



wherein x is from 0.002 to 0.2 and having a silicalite-2 type of structure characterised by an x-ray diffraction pattern as follows :

Silicalite-2

2 0	Interplanar distance, a	Rel Int. (a)
7.96	11.0970	Vs
8.86	9.9720	Vs
13.25	6.6763	W
14.86	5.9584	M

2 0

Interplanar distance, a

Rel Int. (a)

17.70	5.0066	W
19.30	4.5950	W
20.40	4.3496	W
23.20	3.8306	Vs
23.98	3.7077	Vs
26.70	3.3359	W
30.0	2.9760	W
31.4	2.8464	W
34.5	2.5974	W
35.3	2.5404	W
36.2	2.4793	W
37.4	2.4024	W
45.3	2.0001	M
7.91	11.1680	Vs
8.82	10.0170	Vs
13.20	6.7015	W
14.80	5.9804	M
17.70	5.0066	M
19.25	4.6072	W
20.35	4.3603	M
23.15	3.8391	Vs
23.94	3.7138	Vs
23.62	3.3457	M
30.0	2.9760	M
—	—	—
—	—	—
—	—	—
36.1	2.4859	W
—	—	—
45.3	2.0001	M

(a) Vs : Very strong ; W : Weak ; M : Medium and an infrared absorption spectrum as follows :

TS-2

Silicalite

Frequency (cm ⁻¹)	Rel. Int. (a)	Frequency (cm ⁻¹)	Rel. Int. (a)
455	VS	450	S
550	S	570	S
751	W	735	W
800	M	800	M
965	W	—	—
1070	VS	1090	VS*
1230	M	12135	M

VS : Very strong ; S; Strong; M : Medium : W : Weak;

*Broad wherein silicon is substituted by titanium in the crystalline frame work, which comprises forming a gel by mixing a source of (i) silicon oxide, (ii) titanium oxide in an alcohol having the formula R₁OH where R₁ represents an alkyl group having 2—5 carbon atoms of a mixture thereof, (iii) a nitrogen containing organic base/cation having the formula R₄N⁺ where R represents n-butyl group and (iv) water, heating the resultant gel at a temperature in the range of 100 to 200°C for 1—30 days, filtering, washing, drying and calcining the resultant material at a temperature in the range of 300—550°C treating the same by ion exchange with an aqueous solution of a salt of ammonia and by calcining resultant solid at a temperature within range of 400—550°C, to produce new porous crystalline material.

(Compl. specn. 15 pages

Drg. 2 sheets)

Ind Cl. : 32 F₄ 175728Int. Cl.⁴ C 07 F, 7/28**"A PROCESS FOR THE PREPARATION OF TETRA N-BUTYL TITANATE"**

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH AN INDIAN INSTITUTE OF 19, UNIVERSITY ROAD, DELHI-110007, INDIA, REGISTERED UNDER SOCIETIES ACT.

Inventor : MOHAMMAD QAMAR PARWEZ, KRISHNA KUMAR JAIN AND JIENLRA VEER TYAGI ALL INDIAN NATIONALS 19 UNIVERSITY ROAD, DELHI-110007.

Application for Patent No. 1001/Del/1989 filed on 1-11-1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 6)

A process for the preparation of tetra-n-butyl titanate comprising introducing moisture free butyl alcohol in a reaction vessel at a temperature of 0 to 15°C, adding titanium tetrachloride dropwise to said butyl alcohol in the ratio of + 16 : 1 respectively, passing dry ammonia gas into the reaction vessel to react with hydrochloric acid formed therein and so as to form ammonium chloride removing ammonium chloride by filtration and then subjecting the filtrate to fraction distillation under vacuum to obtain tetra n-butyl titanate.

(Complete Specification 7 Pages)

Ind. Cl. : 35 E. 115729

Int. Cl.⁴ : C04B 35/62, 35/64, 35/68.

A PROCESS FOR PRODUCING HIGH DENSITY, HIGH PURITY, HYDRATION RESISTANT DEAD BURNED DOLOMITE FROM BY-PRODUCT DOLOMITE CONCENTRATE OBTAINED WHILE BENEFICIATION OF LOW GRADE ROCK PHOSPHATE ORE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

Application for Patent No. 1106/Del/88 filed on 15 Dec. 1988.

Inventor : GAUTAM BANERJEE, SAMIR KUMAR DAS, ARUP GHOSH PABITRA KUMAR DAS AND JNAN RANJAN NISWAS.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS-7)

A process for the production of high density, high purity, hydration resistant dead burnt dolomite from by product dolomite concentrate obtained while beneficiating low grade rock phosphate for use as a dolomite refractory linings in iron and steel making furnaces, cement kiln, electric arc furnaces and the like, which comprises (i) sieving the by product dolomite to a fine mesh to remove the coarser fractions of rock phosphate, if any; (ii) blending the sieved by product dolomite with upto 0.5% sintering additives such as herein described with or without magnesites; (iii) briquetting the resultant blend at pressure of 1400 kg/ 2 cm to make a hard solid mass and (iv) sintering the resultant briquettes at a temperature in the range of 1650° to 1750°C.

(Complete Specification 14 pages.)

Ind Cl. : 62 C₂ 175730Int. Cl.⁴ : C08J, 3/20**"A PROCESS FOR THE MANUFACTURE OF COLOURED SYNTHETIC LINEAR POLYAMIDE RESINS"**

Applicant : THE PRINCIPAL SCIENTISTS & HEAD, SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LTD., OF JAYKAY NAGAR, KOTA-324003, RAJASTHAN, INDIA, AN INDIAN COMPANY.

Inventor : NARESH DUTTA SHARMA, BOMMU VENKAESHWARAN RAO AND RADHA BALLABH SHARMA ALL INDIAN NATIONALS OF SIR PADAMPAT RESEARCH CENTRE, OF JAYKAYNAGAR, KOTA-324003, (RAJASTHAN).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 5)

A process for the preparation of coloured polyamide resins with fluorescent brightness which comprises in reacting 0.5 to 5% by weight of the resin inside derivatives as herein described having a benzene or aspartone nucleus and substituent groups to the ring with a monomer or polymer melt for formation of caromogens to produce said coloured polyamide resin.

(Complete Specification 15 Pages)

Ind. Cl. : 98 G and 146 C 175731

Int. Cl.⁴ : G 01 K, 17/06.**SENSOR APPARATUS FOR MEASURING THERMAL CONDUCTIVITY IN A GAS BLEND.**

Applicant : HARTMANN & BRAUN AKTIENGESellschaft, A GERMAN BÖLY CORPORATE, OF 6 FRANKFURT/MAIN, GRAFSTRASSE 97, WEST GERMANY.

Inventors : HEINZ-DIETER GOLDNEAR, BERTOLD HORN, THOMAS LIEDIKE, WOLF-RUDIGER MARX & WERNER SCHAEFER.

Application for Patent No.2: 438/Del/88 Filed on 17 May 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 6)

Sensor apparatus for measuring the thermal conductivity in a gas blend in order to determine concentration of gas components of and in said gas blend comprising :

a Silicon carrier plate (1) of about 370 micrometers thickness and having an electrically insulating layer (3) on its surface;

a sputtered on or vapor deposited meander shaped thin film resistance (5a, 5b) located on said insulating layer (3);

said carrier plate having a first pit (7a) underneath (3), at least one perforation (8) being located in said insulating layer (3) to permit access of gas to the interior of said pit;

a Silicon cover plate (2) of about 370 micrometers thickness having a second pit (7b), said cover plate (2) being disposed above said carrier plate (1) so that said first and second pits (7a, 7b) are aligned and constitute a common measuring chamber for measuring thermal conductivity of the diffusing gas blend; and

a diffusion channel (8) in said cover plate (2) connecting said measuring chamber with outside for diffusing gas there-through into said measuring chamber.

(Complete Specification 15 Pages, Drawing sheet one)

IND. CL : 40B.

175732

Int. Cl.⁴ : B01J 21/16.**PROCESS FOR THE PREPARATION OF A CATALYST COMPOSITE MATERIAL.**

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

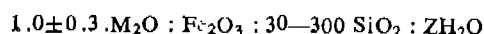
Inventors : RAJIV KUMAR & PAUL RATNASAMY.

Application for Patent No. 475/Del/88 filed on 30 May 1988.

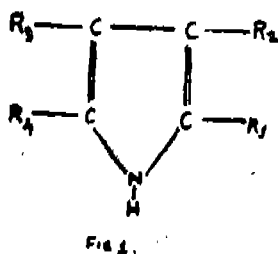
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 3)

A process for the preparation of crystalline ferrosilicate catalyst composite material having a composition in terms of mole ratios of oxide of formula



Wherein M is a mixture of monovalent cation consisting of alkali metal, ammonium and hydrogen and Z is 0-20 the composite material being characterised in that it is having a X-ray diffraction pattern as herein described, which comprises, reacting an aqueous solution of salts of iron, an alkali metal and silicon and sulphuric acid with pyralidene having the general formula I shown in the drawing accompanying this specification wherein



R_1 , R_2 , R_3 and R_4 are hydrogen and/or alkyl groups and may or may not be the same, heating the resultant gel at autogenous pressure under stirring at 100-200°C for 1 to 20 days in an autoclave, quenching at room temperature, filtering, washing with water drying and calcining by known methods to yield a silicate having predominantly alkali as the monovalent cation, subjecting the resultant product to ion exchange with an ammonium salt to yield a composite material having predominantly ammonium as the monovalent cation, subjecting the resultant product to calcination at a temperature above 400°C to yield the said crystalline ferrosilicate catalyst composite material having predominantly hydrogen as monovalent cation

(Complete Specification 11 Pages

Drawing 1 sheet)

Ind. Cl. : 29C XLI (2).

175733

Int. Cl.⁴ : G06 F13/24.**COMPUTER SYSTEM.**

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATE OF AMERICA, OF ARMONK, NEW YORK-10504, UNITED STATE OF AMERICA.

Inventors : CHESTER ASBURY HEATH, KEVIN MICHAEL JACKSON, DARRYLEDMOND JUDICE & HOSHANG RATON PESTONJI.

Application for patent No. 589/Del/88 filed on 8 July 1988.

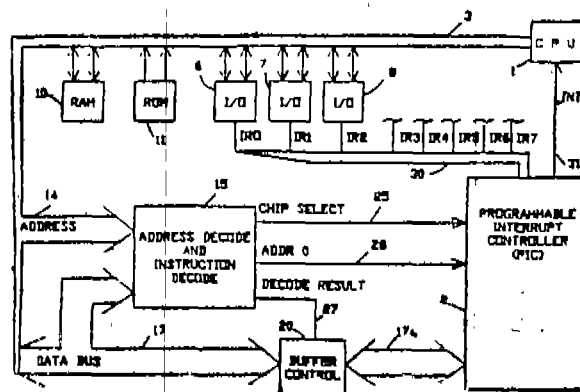
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 5)

A computer system having a central processing unit (CPU) a bus over which commands from said CPU are transmitted, said computer system operable with certain software commands in a first interrupt command mode and controll containing means for converting and commands in a second interrupt commands mode into said first interrupt command mode, said means comprising :

a programmable interrupt controller controllable by a command to operate in either said first interrupt command mode or said second interrupt command mode and connected to said bus to receive commands, and

logic means connected to said bus to intercept said commands prior to receipt thereof by said programmable interrupt controller, for detecting commands in either of said interrupt command modes, converting said command in said second interrupt command mode to a corresponding command in said first interrupt command mode and applying said converted command to said bus for receipt by said programmable interrupt controller.



(Complete specification 12 Pages

Drawing Sheets 6)

IND. CL : 156 F.

175734

Int. Cl.⁴ : F04B, 1/00 23/00**"A WATER PUMPING APPARATUS FOR A PIT SUCH AS WELL OR A BOREHOLE".**

Applicant : IVAN JAROSLAV CYPHELLEY, OF CH-1588, CUDREFIN, SWITZERLAND A SWISS NATIONAL,

Inventor : IVAN JAROSLAV CYPHELLEY.

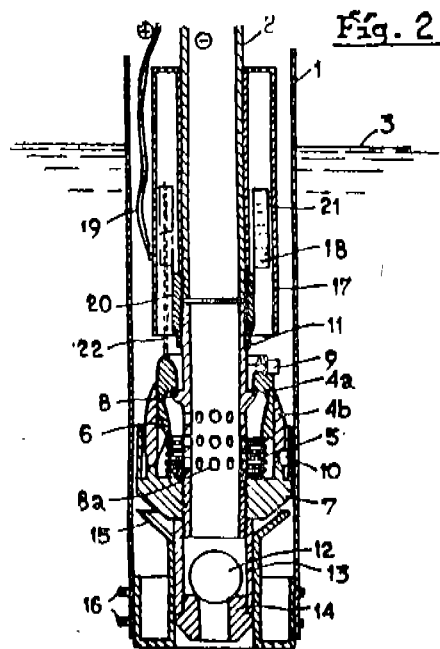
Application for Patent No 720/D.1, 88 filed on 22 Aug. 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 10)

A water pumping apparatus for a pit such as well or a borehole said apparatus having a feeding unit to be installed above the ground surrounding the pit and a suction ram assembly to be submerged in water partially filling the pit said suction ram assembly having a ram valve and a foot valve and being connected to said feeding unit through a feeding hose and a riser pipe said riser pipe being concentrically and spacedly located within said feeding hose wherein said ram valve comprises two annular coaxial valve

seats surrounding said riser pipe and wherein said suction ram assembly and said riser pipe connected thereto are plugged at the lower end of said riser pipe into a funnel shaped sleeve which is clamped to a lower end of said feeding house; lifting of said riser pipe above ground simultaneously lifts the connected said ram valve and said foot valve said feeding hose subsequently venting any water column contained therein



(Complete Specification 16 Pages Drawing one sheet)

Ind. Cl. : 107 G J

175735

Int. Cl. : F 02 B 21/00

AN AUTO ENGINE STALL DEVICE.

Applicant : ESCORTS LIMITED OF H-2, CONNAUGHT CIRCUS, NEW DELHI-110 001, INDIA, AN INDIAN COMPANY.

Inventor : LADU RAM CHAUDHARY

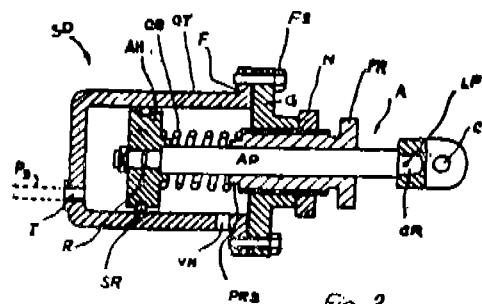
Application No. 358/Del/88 filed on 10/10/88.

Complete Specification left on 20-3-90 Post dated to 10-1-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(10 Claims)

An auto engine stall device capable of stalling an engine in the absence of a water circulation comprising a cylinder (cy) having an inlet (I) at one end thereof for introduction of water under pressure into said cylinder (C) a cover assembly adjustably secured to the other end of said cylinder, an actuator (A) comprising a piston rod (AP) having a piston head (AH) at one end being disposed within said cylinder (CY) such that water under pressure acts on the piston head (AH), the other end of said piston rod (AP) extending outwardly of said cylinder (CY) to be connected to fuel pump through an adjustable rod (LR).



(Provisional Specification 5 Pages)

(Complete Specification 10 Pages, Drawing Sheet one)

Ind. Cl. : 32 F_{8c}

175736

Int. Cl. : C07C 59/01.

AN IMPROVED PROCESS FOR THE EXTRACTION OF HYALURONIC ACID HAVING A MOLECULAR WEIGHT OF THE ORDER OF 2 MILLION.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : ARVIND PURUSHOTTAM JOSHI, BURESWAR CHAKRABARTI, AND WASUDEO NAMDEO GADE.

Application for Patent No. 953/Del/88 filed on 4 Nov 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(11 Claims)

An improved process for the extracting of hyaluronic acid having a molecular weight of the order of 2 million, from tissues removed from animal body and containing said acid which comprises:

- (i) Treating the sliced washed frozen animal tissues with dehydrating agent to remove moisture.
- (ii) Suspending the treated tissues in an anti-oxidative agent such as polyhydroxy compounds and anti-microbial agent of the kind such as herein described.
- (iii) Further reducing the sizes of the swelled tissues by known methods.
- (iv) Filtering the resultant suspension.
- (v) Centrifuging the resultant filtrate.
- (vi) Treating the supernatant liquid with a deproteinizing agent or proteolytic enzyme to remove any protein and other impurities to release hyaluronic acid.
- (vii) Separating the hyaluronic acid by known methods.

(Complete specification 14 pages.)

Ind. Cl. : 130 I

175737

Int. Cl. : C22 B 15/08, 23/02.

AN IMPROVED PROCESS FOR THE REDUCTIVE LEACHING OF POLYMETALLIC MANGANIFEROUS SEA NODULES FOR THE RECOVERY OF COPPER, NICKEL AND COBALT.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG NEW DELHI-110 001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED

UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : RANJIT KUMAR JANA, DWARKANATH DATTARAM AKERKAR.

Application for Patent No. 954/DEL/88 filed on 4th November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

An improved process for the reductive leaching of polymetallic manganiferrous sea nodules for the recovery of copper, nickel and cobalt which comprises;

- (i) Crushing and grinding the raw polymetallic manganiferrous sea nodules;
- (ii) Leaching the ground sea nodules in strong ammoniacal ammonium carbonate solution as leachant of the kind as herein described in the presence of manganese metal with or without sodium chloride at room temperature and atmospheric pressure;
- (iii) Filtering the leached solution, the filtrate containing Cu, Ni and Co;
- (iv) Extracting the metals from the filtrate by known methods;
- (v) Recycling the residue through steps (ii) to (iv) for further recovery of Cu, Ni and Co values.

(Complete specification 15 pages).

Ind. Cl. : 77D, 140 B3.

175738

Int. Cl.⁴ : C10G 43/04.

A METHOD FOR ENHANCED DEWAXING OF CRUDE RICE BRAN OIL OR OTHER EDIBLE OILS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001.

Inventors: PALACHARLA RAMAKRISHNA, BALARAMAN MANOHAR, KADIMI YDAYA SHANKAR, KRISHNARAJAPET VENKATARAMALAH LAKSHMI-VENKATESH.

Application for Patent No. 976/DEL/88 filed on 11 November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A method for enhanced dewaxing of crude rice bran oil or other edible oils to produce dewaxed oil which comprises adding endogenous crude wax or oil obtained from an earlier dewaxing of a similar oil to the crude oil to be dewaxed to adjust the wax content to a supersaturation of around 4%, gradually heating the resultant mixture to about 85°C to melt all the wax; cooling the melted wax to 30°C at the rate of 1-1.5°C per 5 min. to agglomerate wax and separating the agglomerated wax by centrifugation.

(Comp. Specn. 6 pages;

Drwg. Sheets Nil)

Ind. Cl. : 123 I(4)

175739

Int. Cl.⁴ : C05C 3/00.

A PROCESS FOR THE PRODUCTION OF DIAMMONIUM PHOSPHATE CONTAINING FERTILIZERS IN GRANULATED FORM.

Applicant: NORSE HYDRO A.S. OF BYGDY ALLE 2, 0257 OSLO 2 NORWAY A NORWEGIAN COMPANY.

Inventor : DAVID IVELL.

Application for Patent No. 971/DEL/88 filed on 8 November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the production of diammonium phosphate (DAP) containing fertilizers in granulated form which comprises:

reacting phosphoric acid with ammonia to form DAP;

drying the DAP containing granules so produced: and

separating the dried granules into granules of a prescribed size and granules which do not correspond to said prescribed size: and recycling said granules that do not correspond to said prescribed size for further granulation:

characterised in that the ammoniation of phosphoric acid is effected by feeding to a tubular reactor located within a drying zone the total amount of phosphoric acid required for the production of the fertilizer and substantially all the ammonia required for said production, the mole ratio of N to P for said reaction being from 1.6:1 to 2.0:1 and in that the ratio for recycled fertilizer product is 3:1 or less.

(Comp. Specn. 11 pages & Drwg Sheets one)

Ind. Cl. : 163 A

175740

Int. Cl.⁴ : F01B 1/00, 1/01.

A RECIPROCATING PUMP.

Applicant: MOHAMMED SHAKIR QIDWAI, AN INDIAN NATIONAL C/O VIKAS ENGINEERING CORPORATION, MAUNI MANDIR, SULTANPUR, UTTAR PRADESH, INDIA.

Inventor: MOHAMMED SHAKIR QIDWAI.

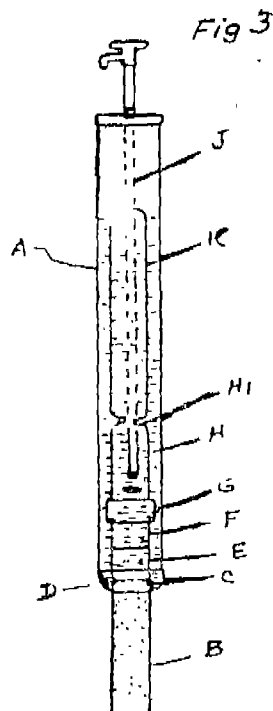
Application No. 1030/DEL/88 filed on 28-11-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, New Delhi.

6 Claims

A reciprocating pump comprising a stationary member and a movable assembly being disposed in bore pipe A characterised in that said stationary member being a stationary plunger E secured at the upper end of a socket C and having first valve C, secured therewith said movable assembly consisting of a movable plunger F adapted to have a reciprocating movement about said stationary plunger E, a second valve G secured to the upper end of said movable plunger F,

a regulator H secured to said second valve G, a delivery pipe J extending within said regulator H, said delivery pipe J connected to an actuator for imparting a reciprocating movement to the movable assembly.



(Comp. Specn. 3 pages and Drwg. 2 sheet)

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that American Home Products Corporation, a corporation organised and existing under the laws of the state of Delaware, U.S.A., five Giralda farms, Madison, New Jersey 07940-0874, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 174117 for "process of making a nutritionally complete food product."

Amendments are by way of change of address from 605, Third Avenue, New York, New York 10017, U.S.A.

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

Notice is hereby given that American Home Products Corporation, a corporation organised and existing under the laws of the state of Delaware, U.S.A., five Giralda farms, Madison, New Jersey 07940-0874, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 174758 for "process of making a nutritionally complete food product."

Amendments are by way of change of address from 605, Third Avenue, New York, New York 10017, U.S.A.

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

Notice is hereby given that American Home Products Corporation, a corporation organised and existing under the laws of the state of Delaware, U.S.A., five Giralda farms, Madison, New Jersey 07940-0874, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 174692 for "process for making all vegetable oil fat composition for infant formulas."

Amendments are by way of change of address from 605, Third Avenue, New York, New York 10017, U.S.A.

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

Notice is hereby given that IRVING CHUNG-CHI CHEN, a citizen of Britain of 12A Hong Kong Garden, Seymour Road, Hong Kong have made an application under Section 57 of the Patents Act, 1970 for amendment of specification their application for Patent No. 168806 for Mill Roll For Grinding And Extracting Juicy Material.

The amendments are by way of change of address from A 10 Elegant Garden, 18 Babington Path, Hong Kong.

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020. If the written Statement of Opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the patent office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :—

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CESSATION OF PATENTS

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PATENT SEALED ON 21-7-95

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174691 174693* 174699*D.

Cal-22, Del-03, Bom-Nil & Mas-14.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

F—Food Patent, D—Drug Patent.

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 168267, Tata Keltron Limited, an Indian company incorporated in India, Kaniikode West, Palghat 678 623, Kerala, India, "TELEPHONE RECEIVER", 17th October 1994.

Class 3. No. 168236, Karm Home Appliances Pvt. Ltd., an Indian co., B 45, Somdutt Chamber II, 9, Bhikaji Cama Place, New Delhi 110066, India, "HEAT CONVECTOR", 11th October 1994.

Class 1. No. 168350, Ravissant, a division of Vishal (P) Limited an Indian company, 24 Nehru Place, New Delhi 110019, India, "CANDLE STAND", 31st October 1994.

Class 1. No. 168028, Mercantile Shipping Agencies, 21/7, Win Villa, Clare Road, Ground Floor, Byculla, Bombay 8, Maharashtra, India, an Indian partnership firm, "TRUCK TWIST-LOCK", 30th August 1994.

Class 1. No. 168027, Mercantile, "TWIST LOCKS", 30th August 1994.

Class 3. No. 168142, Sonic Electrochem Private Limited, a company incorporated under the Indian Company Act, 1956, 38, Patel Nagar, Indore 452001, Madhya Pradesh, India, "ELECTRIC MOSQUITO REPELLENT", 26th September 1994.

Class 3. No. 168029, Mercantile Shipping Agencies, 21/7, Win Villa, Clare Road, Ground floor, Byculla, Bombay 8, Maharashtra, India, an Indian partnership firm, "DOUBLE STACKERS", 30th August 1994.

Class 3. No. 168659, S.K. Bags, 5926, Factory Road, Nabi Karim, New Delhi 55, India, an Indian proprietorship concern, "BAG", 23rd January 1995.

Class 4. No. 168068 Carew Phipson Limited of 44 Park Street, 1st floor, Calcutta 16 West Bengal, India, an Indian company, "BOTTLE", 12th September 1994.

Class 5. No. 168445, A.T. TFA INDIA, of 1 Cock Burn Lane, 4th floor, Room No. 1, Calcutta 16, West Bengal, India an Indian partnership firm, "CAR-TON", 2nd December 1994.

Class 14. No. 167619, The Khatau Mekanji Spinning & Weaving Co. Ltd., Laxmi Building, 6, Shoorji Vallabhdas Marg, Bombay 38, Maharashtra, India, "PRINTED CLOTH", 10th June 1994.

R. A. ACHARYA,

Controller General of Patent, Design & Trade Marks

प्रकाशक. भारत सरकार मद्रास, फरवरी 1995
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1995

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